CONFIDENTIAL COPY

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-73670

6. If Indian, Allotee or Tribe Name
N/A

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
Prickly Pear / UTU-79487

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone

8. Lease Name and Well No.
Prickly Pear Unit Federal 2-28D-12-15

2. Name of Operator Bill Barrett Corporation

9. API Well No.
pending 43-007-31362

3a. Address 1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool, or Exploratory Nine Mile
~~Undesignated~~/Wasatch-Mesaverde

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NWNE, 650' FNL, 1412' FEL
At proposed prod. zone NWNE, 632' FNL, 2432' FEL, Sec. 28

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 28, T12S-R15E

14. Distance in miles and direction from nearest town or post office*
approximately 50 miles from Myton, Utah

12. County or Parish
Carbon County

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1412' SH / 2432' BH

16. No. of acres in lease
1440

17. Spacing Unit dedicated to this well
40 acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
16' SH / 900' BH

19. Proposed Depth
7700' MD

20. BLM/BIA Bond No. on file
Nationwide Bond #WYB000040

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7507' graded ground

22. Approximate date work will start*
06/01/2008

23. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Tracey Fallang — Name *(Printed/Typed)* Tracey Fallang — Date 3/7/08

Title Environmental/Regulatory Analyst

Approved by *(Signature)* — Name *(Printed/Typed)* BRADLEY G. HILL — Date 03-11-08

Title — Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

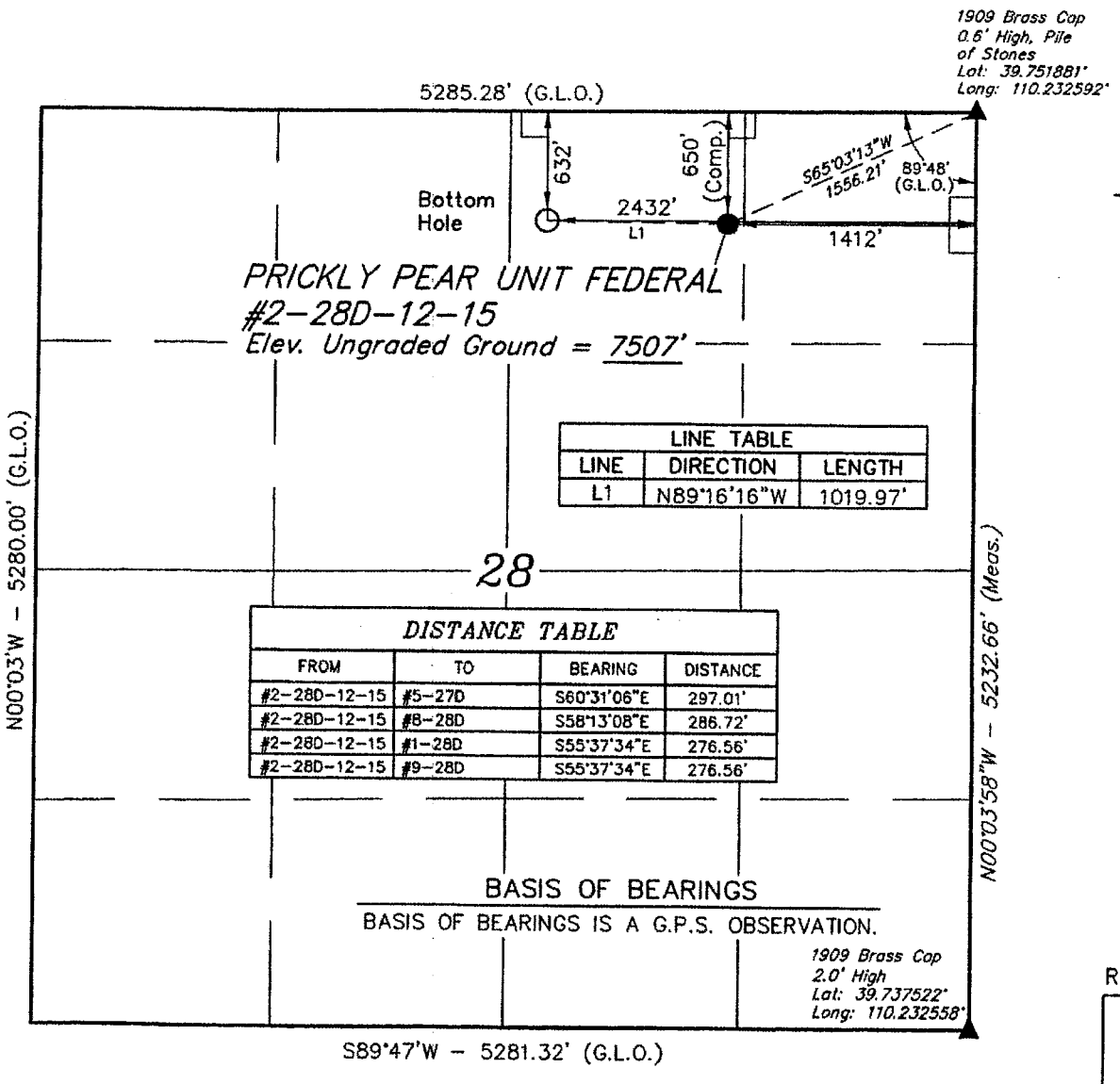
Federal Approval of this Action is Necessary

RECEIVED
MAR 10 2008
DIV. OF OIL, GAS & MINING

Surf
565390X
44001044
39.750220
-110.236741

BHL
565080X
44001054
39.750259
-110.240361

T12S, R15E, S.L.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°16'16"W	1019.97'

DISTANCE TABLE			
FROM	TO	BEARING	DISTANCE
#2-28D-12-15	#5-27D	S60°31'06"E	297.01'
#2-28D-12-15	#8-28D	S58°13'08"E	286.72'
#2-28D-12-15	#1-28D	S55°37'34"E	276.56'
#2-28D-12-15	#9-28D	S55°37'34"E	276.56'

BASIS OF BEARINGS

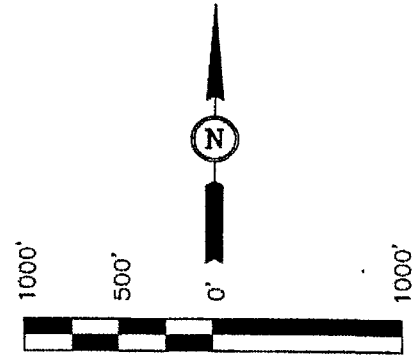
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

BILL BARRETT CORPORATION

Well location, PRICKLY PEAR UNIT FEDERAL #2-28D-12-15, located as shown in the NW 1/4 NE 1/4 of Section 28, T12S, R15E, S.L.B.&M., Carbon County, Utah.

BASIS OF ELEVATION

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY SAID ELEVATION IS MARKED AS BEING 7386 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 02-21-08

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°45'00.40" (39.750111)	LATITUDE = 39°45'00.28" (39.750078)
LONGITUDE = 110°14'28.44" (110.241233)	LONGITUDE = 110°14'15.39" (110.237608)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°45'00.53" (39.750147)	LATITUDE = 39°45'00.41" (39.750114)
LONGITUDE = 110°14'25.88" (110.240522)	LONGITUDE = 110°14'12.83" (110.236897)
STATE PLANE NAD 27 (UTAH CENTRAL)	STATE PLANE NAD 27 (UTAH CENTRAL)
N: 518533.20 E: 2354103.88	N: 518535.27 E: 2355123.13

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-02-07	DATE DRAWN: 11-28-07
PARTY: D.R. M.M. C.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: BILL BARRETT CORPORATION	

Bill Barrett Corporation

March 5, 2008

Ms. Diana Mason
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Directional Drilling R649-3-11
Prickly Pear Unit Federal 2-28D-12-15
SHL: 650' FNL & 1412' FEL NWNE 28-T12S-R15E
BHL: 632' FNL & 2432' FEL NWNE 28-T12S-R15E
Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

- The above-mentioned proposed location is within the Prickly Pear Unit Area;
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area;
- BBC hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8129.

Sincerely,
Doug Gundry-White
by Vicki S. Wambolt
Doug Gundry-White
Senior Landman

RECEIVED
MAR 10 2008
DIV. OF OIL, GAS & MINING

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

DRILLING PROGRAM

BILL BARRETT CORPORATION
Prickly Pear Unit Federal 2-28D-12-15
NWNE, 650' FNL, 1412' FEL, Sec. 28, T12S-R15E (surface hole)
NWNE, 632' FNL, 2432' FEL, Sec. 28, T12S-R15E (bottom hole)
Carbon County, Utah

1 – 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

Formation	Depth - MD	Depth - TVD
Green River	Surface	Surface
Wasatch	3004'*	2923'*
North Horn	4991'*	4833'*
Dark Canyon	6671'*	6513'*
Price River	6886'*	6728'*
TD	7700'*	7500'*

PROSPECTIVE PAY
*Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas.

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
12 ¼"	surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4" & 7 7/8"	surface	7,600'	5 ½"	17#	N-80	LT&C	New

Note: Pending evaluation of anticipated stress on the production casing, BBC may use 5 ½", 20# P-110 LT&C production casing instead of the 17# N-80. **BBC is also evaluating the benefit of using 4-1/2", 11.6#, I-80, LT&C production casing and wishes to have that option approved in this APD.** The 4-1/2" casing design sheet is included in this package. Cement volumes would be adjusted accordingly.

Note: 7 7/8" hole size will begin at the point the bit is changed.

5. Cementing Program

9 5/8" Surface Casing	Approximately 240 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft^3/sx) and 170 sx Premium cement with additives mixed at 15.8 ppg (yield = 1.16 ft^3/sx) circulated to surface with 100% excess
5 ½" Production Casing	Approximately 1500 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft^3/sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
Note: Actual volumes to be calculated from caliper log.	

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0 – 40'	8.3 – 8.6	27 – 40	--	Native Spud Mud
40' – 1000'	8.3 – 8.6	27 – 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 – 9.5	38 – 46	15 cc or less	LSND/DAP
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce tork and drag.				
Note: Air drilling is not anticipated for this location. However, in the event air drilling should occur: - Fresh water would be used to suppress the dust coming out. The blooie line, approximately 37' long and 6" diameter, would run from the pit to the wellhead. There is no ignition system as burnable gas should not be encountered. - Capacity of compressor: 1250SCFM with an 1170 SCFM on standby, which would be located very near the wellbore. The compressor has switches to shut off should any problems be encountered. - The rig has mud pumps capable of pumping the kill fluid (fresh water), of which there is 500 bbls on location at all times.				

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 1000'	No pressure control required
1000' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

8. Auxiliary Equipment

a) Upper kelly cock; lower Kelly cock will be installed while drilling
b) Inside BOP or stab-in valve (available on rig floor)
c) Safety valve(s) and subs to fit all string connections in use
d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3705 psi* and maximum anticipated surface pressure equals approximately 2055 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

11. Drilling Schedule

Location Construction:	June 1, 2008
Spud:	June 8, 2008
Duration:	15 days drilling time
	30 days completion time

SURFACE USE PLAN

BILL BARRETT CORPORATION
Prickly Pear Unit Federal #1-28-12-15 Pad Wells

Prickly Pear Unit Federal #5A-27D-12-15 NWNE, 648' FNL, 1380' FEL, Sec. 28, T12S-R15E (surface hole) 1320' FNL, 660' FWL, Sec. 27, T12S-R15E (bottom hole) Carbon County, Utah	***Prickly Pear Unit Federal 16X-21D-12-15*** NWNE, 649' FNL, 1396' FEL, Sec. 28, T12S-R15E (surface hole) SESE, 138' FSL, 899' FEL, Sec. 21, T12S-R15E (bottom hole) Carbon County, Utah
Prickly Pear Unit Federal 2-28D-12-15 NWNE, 650' FNL, 1412' FEL, Sec. 28, T12S-R15E (surface hole) NWNE, 632' FNL, 2432' FEL, Sec. 28, T12S-R15E (bottom hole) Carbon County, Utah	***Prickly Pear Unit Federal 1A-28D-12-15*** NWNE, 648' FNL, 1364' FEL, Sec. 28, T12S-R15E (surface hole) NENE, 523' FNL, 613' FEL, Sec. 28, T12S-R15E (bottom hole) Carbon County, Utah

The onsite for this pad was conducted on December 11th. This is an existing pad with one vertical and three directional wells (the 1-28-12-15, 5-27D, 8-28D, 9-28D) and four additional directional wells are planned.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

   a. The existing well pad is located approximately 50 miles from Myton, Utah. Maps reflecting directions to the proposed well pad are included (see Topographic Maps A and B).

   b. An access road, approximately 1800' in length, exists to this pad. Total road disturbance requested for this access is 50-feet.

   c. Surface disturbance and vehicular travel would be limited to the approved existing access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.

   d. BBC would be responsible for all maintenance of the access road including drainage structures.

   e. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated since there are no upgrades to the State or County road systems are proposed at this time.

   f. All existing roads would be maintained and kept in good repair during all phases of operation.

   g. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. Planned Access Road:

   a. A new access road, approximately 170 feet, would be needed to access these additional wells to avoid the existing wellheads and facilities on the pad. A road design plan is not anticipated at this time.

b. The access road would consist of an 18 foot travel surface within a 32 foot disturbed area. The proposed access has been placed to minimize impact to the environment and natural drainage of the area.

c. BLM approval to construct this access road is requested with this application.

d. A maximum grade of 10% would be maintained throughout the project with minimal cuts and fills, as necessary, to access the wells on the pad.

e. The access road would be constructed using standard equipment and techniques. Bulldozers and/or road graders would first clear vegetation and topsoil from the ROW. These materials may be windrowed for future redistribution during the reclamation process. The surface would be crowned to facilitate drainage to a borrow ditch on each side of the road designed to minimize erosion potential. Following completion of the wells on this pad, graveling or capping the roadbed may be performed as necessary to provide a well constructed, safe road.

f. No turnouts are proposed, good site distance exists along this road

g. Adequate drainage structures would be incorporated, where necessary.

h. No surfacing material would come from Indian lands or off-lease Federal lands. BBC requests that any excess rock from construction of the pad be used for surfacing of the access road, if necessary. Any additional materials needs may come from either existing SITLA Materials Permits or from federal wells within the Prickly Pear unit.

i. No gates or cattle guards are anticipated at this time.

j. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project-related traffic.

k. All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.

l. The operator would be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells (see Topographic Map C):

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed well:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	none
v.	temp shut-in wells	none
vi.	producing wells	thirteen
vii.	abandoned wells	none

4. Location of Production Facilities (see enclosed "Proposed Facility Layout"):

a. All facilities for this pad would be located adjacent to the existing facilities for the Prickly Pear 1-28 pad, as noted on the enclosed diagram (some permanent structures/facilities may be shared). Each well would have its own meter run and separator and five (5) 400-bbl tanks additional tanks would be installed as necessary.

b. In order to allow safe simultaneous drilling and completion operations and to minimize pad size, wellheads and christmas trees may be positioned below location grade in a pre-cast concrete vault measuring approximately 12' wide, 10' deep, and 64' long. Other than when drilling is occurring and when necessary well servicing is being conducted, the vault would be covered with a grate and/or isolated by fencing.

c. All permanent above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

d. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to.

e. Gas meter runs would be constructed and located on lease within 500 feet of the wellheads. Meter runs are housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3. **Use of electronic flow meter (EFMs) for gas measurement purposes is requested with this application as well as use of flow conditioners (versus straightening vanes) for each new well.**

f. A tank battery exists on this lease and would be modified as per the proposed facility layout to include additional equipment. All loading lines and valves would be placed inside the berm surrounding the tank battery or would have a secondary containment vessel. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. BBC requests permission to install the necessary production/operation facilities with this application.

g. Any necessary pits would be properly fenced to prevent any wildlife and livestock entry.

h. All access roads would be maintained as necessary to prevent erosion and accommodate year-round traffic as practicable. The roads would be maintained in a safe, useable condition.

i. The site would require periodic maintenance to ensure that drainages are kept open and free of debris and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

j. A 6-inch gas pipeline exists to this location, with 1000' being surface-laid due to soil conditions and 1500' being buried. The pipeline lies south of the existing access road and ties in to the existing 8" pipeline off the Prickly Pear 15-21-12-15 pad in the S/2 of Section 21-T12S-R15E. BBC would require approximately 170 feet of new pipeline (up to 10 inch diameter) for the additional wells being added to the pad (see Topographic Map D for proposed route) and approval for installation is being requested at this time.

k. The proposed steel gas pipeline would be buried, where soil conditions permit, within a 50 foot proposed corridor.

l. As referred to in (k). above, the line would not be buried in areas with bedrock at or near surface that would require blasting to loosen rock before excavation for burial of the pipeline.

m. The determination to bury or surface lay the pipeline would be made by the Authorized Officer at the time of construction.

n. BBC intends on stringing the pipeline on the surface, welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. The welded joints would either remain on the surface or would be placed within the trench, depending on the scenario. BBC intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under Application Number 90-1846 (T76109) which expires March 27, 2008 (renewal application applied for) or an existing water well in Sec. 13, T12S-R14E granted by the Utah State Engineer's Office under Application Number 90-1849 (T75896) which expires September 13, 2008.

b. Water use for this location would most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E. Bobtail trucks would haul the water, traveling Prickly Pear road to Harmon Canyon, traveling north to this point of diversion.

6. Source of Construction Material:

a. The use of materials would conform to 43 CFR 3610.2-3.

b. No construction materials would be taken off-lease.

c. If any additional gravel is required, it would be obtained from SITLA materials permits or from federal BBC locations within the Prickly Pear unit.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

b. Drill cuttings would be contained and buried on site.

c. The reserve pit would be located outboard of the location along the north side of the pad.

d. The reserve pit would be constructed so as not to leak, break or allow any discharge.

e. If necessary, the reserve pit would be lined with 12 mil minimum thickness polyethylene nylon reinforced liner material. The liner would overlay straw, soil and/or bentonite if rock is encountered during excavation. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc., that could

puncture the liner would be disposed of in the pit. Pit walls would be sloped no greater than 2:1 and the depth of the reserve pit would be approximately 8-feet with a minimum of 2 foot freeboard.

f. The reserve pit has been located in cut material. Three sides of the reserve pit would be fenced before drilling starts. The fourth side would be fenced as soon as drilling is completed and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production would be rehabilitated as per the plans for reclamation of surface (10. below).

g. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) in quantities over 10,000 pounds that may be used, produced, stored, transported or disposed of annually in association with the drilling, testing or completion of each well include diesel fuel, hydrochloric acid and silica sand. This material would be consumed in the drilling and completion process. No extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

h. Trash would be contained in a trash cage or roll-off container and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container would be hauled off periodically to the approved Carbon or Uintah County Landfill.

i. Produced fluids from each well other than water would be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids would be cleaned up and removed.

j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities, evaporated in the pit, or hauled to a State approved disposal facility.

k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.

l. Sanitary facilities would be on site at all times during operations. Sewage would be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Price or Vernal Wastewater Treatment Facility in accordance with state and county regulations.

m. Any liquid hydrocarbons produced during completion work would be contained in test tanks on the well location. The tanks would be removed from location at a later date.

n. A flare pit may be constructed a minimum of 110' from the wellheads and may be used during completion work. In the event a flare pit proves to be unworkable in this situation, a flare stack would be installed. BBC would flow back as much fluid and gas as possible into vessels, separating the fluid from the gas. The fluid would then be either returned to the reserve pit or placed into a tank. Gas would be then directed into the flare pit or the flare stack with a constant source of ignition. This should assist in eliminating any fires in

and around the reserve pit. Natural gas would be directed to the pipeline as soon as pipeline gas quality standards are met.

o. Hydrocarbons would be removed from the reserve pit as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

a. Garbage containers and portable toilets are the only ancillary facilities proposed in this application

9. Well Site Layout:

a. Each well would be properly identified in accordance with 43 CFR 3162.6.

b. The rig layout and cross section diagrams are enclosed (see Location Layout and Cross Section Plats).

c. The pad and road designs are consistent with BLM specifications.

d. The additional disturbance to the existing Prickly Pear 1-28 pad to accommodate the additional wells being added is approximately 1.6 acres. The pad dimensions are 472' x 172' with a reserve pit of 200' x 100'.

e. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

f. All cut and fill slopes would be such that stability can be maintained for the life of the activity.

g. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the area.

h. The stockpiled topsoil (first 6 inches or maximum available) would be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil would be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

i. Pits would remain fenced until site cleanup.

j. If air drilling occurs, the blooie line would be located at least 100 feet from the individual well head and would run from the each wellhead directly to the pit.

k. Water application may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

Producing Wells

a. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location.

b. Two reserve pits would be located on this pad, one existing and one proposed for these additional four wells. The existing pit would be closed immediately, when weather conditions permit. The new reserve pit would be closed as soon as reasonably practical, but no later than 90 days from completion of the last well on the pad, provided favorable weather conditions and that there are no plans to re-use the pit within one year. An extension may be given at the discretion of the BLM Authorized Officer. The following are requirements for pit closures:

- Squeezing of pit fluids and cuttings is prohibited;
- Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil;
- Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade;
- If a liner was used, the polyethylene nylon reinforced liner shall be torn and perforated before backfilling;
- The operator would be responsible for re-contouring any subsidence areas that develop from closing a pit before it is sufficiently dry.
- The operator shall contact the BLM Authorized Officer at least 48-hours prior to the filling and reclamation of pits and the start of any reclamation such as recontouring and reseeding.

c. Reclamation requirements would be dependant upon plans for subsequent drilling activity on the pad. The operator shall contact the BLM Authorized Officer within 60 days of completion of the last well on the pad and provide plans for subsequent pad use.

- In the event that the operator plans to re-occupy the pad within three years, the operator shall seed the unused portions of the pad with a cover crop as approved for this use by the BLM. If necessary, this cover crop would be replanted each year that the pad remains in an un-reclaimed state. Unless otherwise specifically authorized, no pad shall remain in an un-reclaimed state for more than three years.
    - Cover crops would be seeded by broadcasting seed over all unused portions of the pad. Seed would be covered with soil to the appropriate depth by raking or other methods.
- In the event there are no plans to re-occupy the pad within three years, interim reclamation activities would begin within 90 days according to the Proposed Facility Layout/Reclamation Diagram and Reclamation Plan attached (assuming favorable weather conditions). The operator would use the BLM approved seed mix and would seed during the first suitable seeding season.
    - Interim reclamation drill seeding would be conducted on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed,

preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% would be used.

- Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the BLM prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

d. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

Dry Hole

a. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.

11. Surface and Mineral Ownership:

a. Surface ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

b. Mineral ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

12. Other Information:

a. Montgomery Archaeological Consultants conducted Class III archeological surveys. Copies of the reports were submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 06-486 dated September 18, 2006 and MOAC 06-486B dated November 27, 2007.

b. BBC would identify areas in the proposed drilling program where fluids escaping the wellbore and exiting onto a hillside might occur. In those cases, BBC would be ready with cement and/ or fluid loss compounds (types of lost circulation fluids) to heal up vags and cracks. Upon individual evaluation of the proposed well sites, BBC may air drill the hole to surface casing depth if necessary.

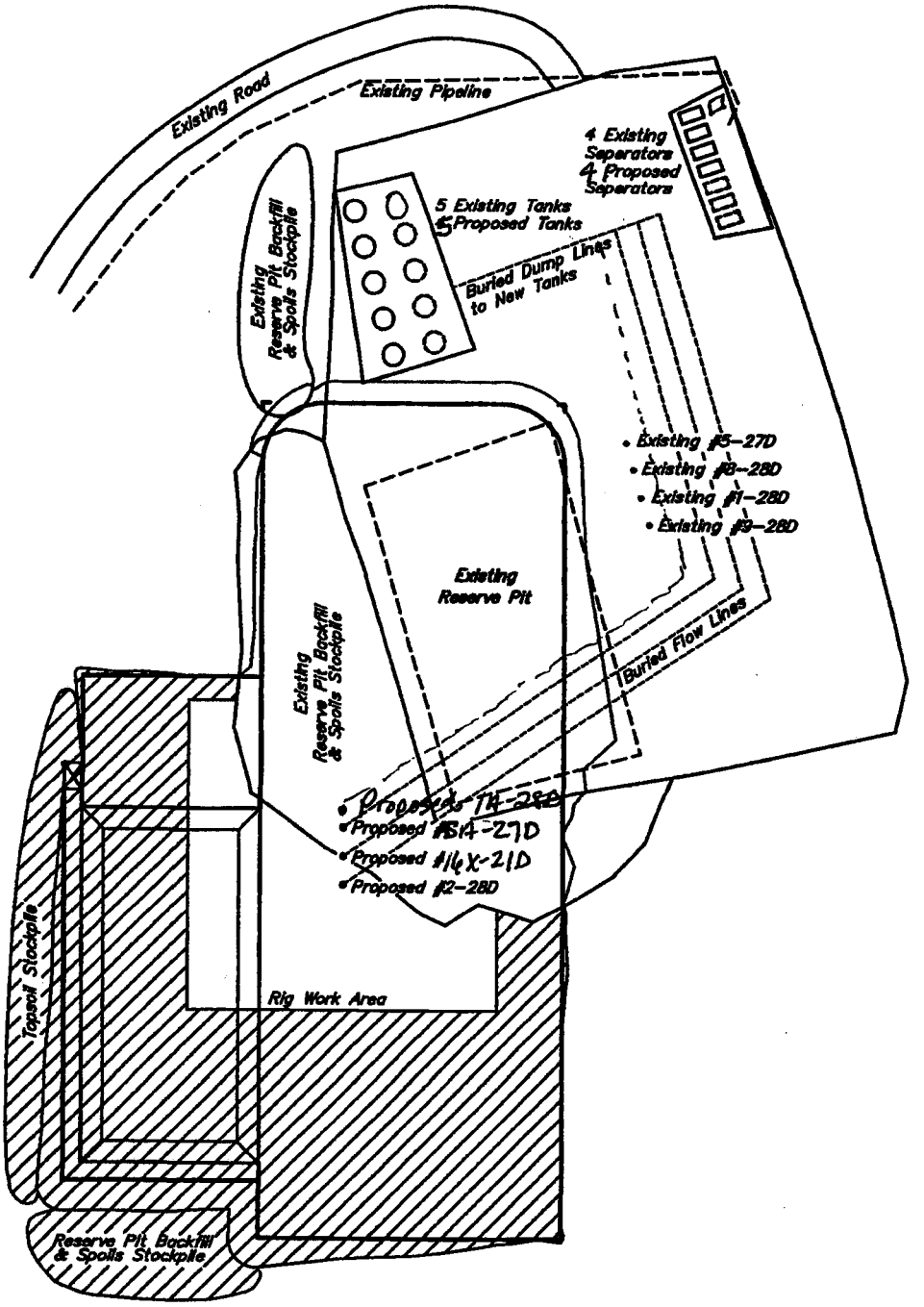
c. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24" to 48" wide and is approximately 10' tall. Combustor placement would be on existing disturbance and would not be closer than 100' to any tank or wellhead.

BILL BARRETT CORPORATION

PRODUCTION FACILITY LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL #1-28-12-15 PAD
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

SCALE: 1" = 100'
DATE: 01-18-08
DRAWN BY: C.G.



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	7th day of March 2008
Name:	Tracey Fallang
Position Title:	Regulatory Analyst
Address:	1099 18th Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8134
Field Representative	Fred Goodrich
Address:	1820 W. Hwy 40, Roosevelt, UT 84066
Telephone:	435-725-3515
E-mail:	

Tracey Fallang

Tracey Fallang, Environmental/Regulatory Analyst

Well name:	Utah: West Tavaputs Field
Operator:	Bill Barrett
String type:	Surface
Location:	Carbon County, UT

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 2,955 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.80 (J)
Premium:	1.80 (J)
Body yield:	1.80 (B)

Tension is based on buoyed weight.

Neutral point: 859 ft

Environment:

H2S considered?	No
Surface temperature:	75.00 °F
Bottom hole temperature:	89 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth:	10,000 ft
Next mud weight:	9.500 ppg
Next setting BHP:	4,935 psi
Fracture mud wt:	10.000 ppg
Fracture depth:	10,000 ft
Injection pressure	5,195 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	J/K-55	ST&C	1000	1000	8.796	71.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	493	2020	4.094	2735	3520	1.29	31	453	14.64 J

Prepared by: Dominic Spencer / Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: August 1,2003

Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	Utah: West Tavaputs
Operator:	Bill Barrett
String type:	Production
Location:	Carbon County, UT

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,705 psi

Internal gradient: 0.02 psi/ft

Calculated BHP 4,935 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.80 (J)
Premium:	1.80 (J)
Body yield:	1.80 (B)

Tension is based on buoyed weight.

Neutral point: 9,551 ft

Environment:

H2S considered?	No
Surface temperature:	75.00 °F
Bottom hole temperature:	215 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft

Cement top: 2,375 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	5.5	17.00	N-80	LT&C	10000	10000	4.767	344.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	6290	1.275	4705	7740	1.65	146	348	2.39 J

Prepared by: Dominic Spencer / Bill Barrett
Phone: (303) 312-8143
FAX: (303) 312-8195

Date: August 1,2003
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	West Tavaputs General
Operator:	Bill Barrett
String type:	Production
Location:	Carbon County, Utah

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,226 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,016 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.

Neutral point: 7,560 ft

Environment:

H2S considered?	No
Surface temperature:	75.00 °F
Bottom hole temperature:	189 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	2,500 ft

Directional info - Build & Drop

Kick-off point	1000 ft
Departure at shoe:	2165 ft
Maximum dogleg:	2 °/100ft
Inclination at shoe:	0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8730	5.5	20.00	P-110	LT&C	8138	8730	4.653	353.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4016	11100	2.764	4016	12630	3.14	139	548	3.93 J

Prepared by: Dominic Spencer
Bill Barrett Corporation
Phone: (303) 312-8143
FAX: (303) 312-8195
Date: August 25,2004
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 8138 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a tensile load which is added to the axial load.

Well name:	West Tavaputs General
Operator:	Bill Barrett Corporation
String type:	Production

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,935 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.80 (J)

Body yield: 1.80 (B)

Tension is based on buoyed weight.

Neutral point: 8,580 ft

Environment:

H2S considered? No

Surface temperature: 60.00 °F

Bottom hole temperature: 200 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 2,500 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	4.5	11.60	I-80	LT&C	10000	10000	3.875	231.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	6350	1.287	4935	7780	1.58	100	223	2.24 J

Prepared by: Dominic Spencer / Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: December 13,2005

Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Bill Barrett Corporation

NINE MILE CEMENT VOLUMES

Well Name: **Prickly Pear Unit Federal 2-28D-12-15**

Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	**219.2**	ft^3
Lead Fill:	**700'**	
Tail Volume:	**94.0**	ft^3
Tail Fill:	**300'**	

Cement Data:

Lead Yield:	1.85	ft^3/sk
Tail Yield:	1.16	ft^3/sk
% Excess:	100%	

Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

Production Hole Data:

Total Depth:	7,700'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	**1717.6**	ft^3
Lead Fill:	**6,800'**	

Cement Data:

Lead Yield:	1.49	ft^3/sk
% Excess:	30%	

Calculated # of Sacks:

# SK's Lead:	1500

Prickly Pear Unit Federal 2-28D-12-15 Proposed Cementing Program

Job Recommendation			Surface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft^3/sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	700'	
	Volume:	78.09	bbl
	Proposed Sacks:	**240**	**sks**
Tail Cement - (1000' - 700')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
94 lbm/sk Premium Cement	Slurry Yield:	1.16	ft^3/sk
2.0% Calcium Chloride	Total Mixing Fluid:	4.97	Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid:	700'	
	Calculated Fill:	300'	
	Volume:	33.47	bbl
	Proposed Sacks:	**170**	**sks**

Job Recommendation			Production Casing
Lead Cement - (7700' - 900')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
3.0 % KCL	Slurry Yield:	1.49	ft^3/sk
0.75% Halad®-322	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid:	900'	
0.2% FWCA	Calculated Fill:	6,800'	
0.125 lbm/sk Poly-E-Flake	Volume:	397.67	bbl
1.0 lbm/sk Granulite TR 1/4	**Proposed Sacks:**	**1500**	**sks**

Database:	Compass	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 7522.00ft
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 7522.00ft
Site:	SECTION 28 T12S R15E	**North Reference:**	True
Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR UF 2-28D-12-15		
Design:	Design #1		

Project	CARBON COUNTY, UT (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		Using geodetic scale factor

Site	SECTION 28 T12S R15E, SECTION 28				
Site Position:		**Northing:**	518,535.457 ft	**Latitude:**	39° 45' 0.410 N
From:	Lat/Long	**Easting:**	2,355,123.154 ft	**Longitude:**	110° 14' 12.8300 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.81 °

Well	PR PR UF 2-28D-12-15					
Well Position	**+N/-S**	0.00 ft	**Northing:**	518,535.457 ft	**Latitude:**	39° 45' 0.410 N
	+E/-W	0.00 ft	**Easting:**	2,355,123.154 ft	**Longitude:**	110° 14' 12.8300 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,505.00 ft

Wellbore	PR PR UF 2-28D-12-15				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2007	2/22/2008	11.77	65.60	52,387

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.00	0.02	0.00	270.68	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
1,060.00	0.00	0.00	1,060.00	0.02	0.00	0.00	0.00	0.00	0.00	
1,837.10	19.43	270.68	1,822.29	1.58	-130.48	2.50	2.50	0.00	270.68	
4,019.18	19.43	270.68	3,880.14	10.23	-856.21	0.00	0.00	0.00	0.00	
4,990.55	0.00	0.00	4,833.00	12.17	-1,019.31	2.00	-2.00	0.00	180.00	
7,470.55	0.00	0.00	7,313.00	12.17	-1,019.31	0.00	0.00	0.00	0.00	PBHL_PR PR 2-28D-

Database:	Compass	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 7522.00ft
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 7522.00ft
Site:	SECTION 28 T12S R15E	**North Reference:**	True
Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR UF 2-28D-12-15		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,060.00	0.00	0.00	1,060.00	0.02	0.00	0.00	0.00	0.00	0.00
Start Build 2.50									
1,100.00	1.00	270.68	1,100.00	0.03	-0.35	0.35	2.50	2.50	0.00
1,200.00	3.50	270.68	1,199.91	0.07	-4.27	4.27	2.50	2.50	0.00
1,300.00	6.00	270.68	1,299.56	0.17	-12.55	12.55	2.50	2.50	0.00
1,400.00	8.50	270.68	1,398.75	0.32	-25.17	25.17	2.50	2.50	0.00
1,500.00	11.00	270.68	1,497.30	0.52	-42.10	42.11	2.50	2.50	0.00
1,600.00	13.50	270.68	1,595.02	0.78	-63.32	63.32	2.50	2.50	0.00
1,700.00	16.00	270.68	1,691.71	1.08	-88.78	88.78	2.50	2.50	0.00
1,800.00	18.50	270.68	1,787.21	1.43	-118.42	118.43	2.50	2.50	0.00
1,837.10	19.43	270.68	1,822.29	1.58	-130.48	130.49	2.50	2.50	0.00
Start 2182.09 hold at 1837.10 MD									
1,900.00	19.43	270.68	1,881.61	1.83	-151.40	151.41	0.00	0.00	0.00
2,000.00	19.43	270.68	1,975.92	2.22	-184.66	184.67	0.00	0.00	0.00
2,100.00	19.43	270.68	2,070.23	2.62	-217.92	217.93	0.00	0.00	0.00
2,200.00	19.43	270.68	2,164.53	3.02	-251.18	251.19	0.00	0.00	0.00
2,300.00	19.43	270.68	2,258.84	3.41	-284.43	284.46	0.00	0.00	0.00
2,400.00	19.43	270.68	2,353.15	3.81	-317.69	317.72	0.00	0.00	0.00
2,500.00	19.43	270.68	2,447.45	4.21	-350.95	350.98	0.00	0.00	0.00
2,600.00	19.43	270.68	2,541.76	4.60	-384.21	384.24	0.00	0.00	0.00
2,700.00	19.43	270.68	2,636.06	5.00	-417.47	417.50	0.00	0.00	0.00
2,800.00	19.43	270.68	2,730.37	5.39	-450.73	450.76	0.00	0.00	0.00
2,900.00	19.43	270.68	2,824.68	5.79	-483.99	484.02	0.00	0.00	0.00
3,000.00	19.43	270.68	2,918.98	6.19	-517.25	517.28	0.00	0.00	0.00
3,004.26	19.43	270.68	2,923.00	6.20	-518.66	518.70	0.00	0.00	0.00
WASATCH									
3,100.00	19.43	270.68	3,013.29	6.58	-550.50	550.54	0.00	0.00	0.00
3,200.00	19.43	270.68	3,107.60	6.98	-583.76	583.81	0.00	0.00	0.00
3,300.00	19.43	270.68	3,201.90	7.38	-617.02	617.07	0.00	0.00	0.00
3,400.00	19.43	270.68	3,296.21	7.77	-650.28	650.33	0.00	0.00	0.00
3,500.00	19.43	270.68	3,390.52	8.17	-683.54	683.59	0.00	0.00	0.00
3,600.00	19.43	270.68	3,484.82	8.57	-716.80	716.85	0.00	0.00	0.00
3,700.00	19.43	270.68	3,579.13	8.96	-750.06	750.11	0.00	0.00	0.00
3,800.00	19.43	270.68	3,673.44	9.36	-783.32	783.37	0.00	0.00	0.00
3,900.00	19.43	270.68	3,767.74	9.76	-816.57	816.63	0.00	0.00	0.00
4,000.00	19.43	270.68	3,862.05	10.15	-849.83	849.89	0.00	0.00	0.00
4,019.18	19.43	270.68	3,880.14	10.23	-856.21	856.27	0.00	0.00	0.00
Start Drop -2.00									
4,100.00	17.81	270.68	3,956.72	10.54	-882.01	882.08	2.00	-2.00	0.00
4,200.00	15.81	270.68	4,052.45	10.88	-910.93	911.00	2.00	-2.00	0.00
4,300.00	13.81	270.68	4,149.12	11.18	-936.49	936.56	2.00	-2.00	0.00
4,400.00	11.81	270.68	4,246.62	11.45	-958.66	958.73	2.00	-2.00	0.00
4,500.00	9.81	270.68	4,344.84	11.67	-977.42	977.49	2.00	-2.00	0.00
4,600.00	7.81	270.68	4,443.66	11.86	-992.73	992.80	2.00	-2.00	0.00
4,700.00	5.81	270.68	4,542.95	12.00	-1,004.59	1,004.66	2.00	-2.00	0.00
4,800.00	3.81	270.68	4,642.59	12.10	-1,012.98	1,013.05	2.00	-2.00	0.00
4,900.00	1.81	270.68	4,742.46	12.15	-1,017.88	1,017.95	2.00	-2.00	0.00
4,990.55	0.00	0.00	4,833.00	12.17	-1,019.31	1,019.38	2.00	-2.00	0.00
Start 2480.00 hold at 4990.55 MD - NORTH HORN									
5,000.00	0.00	0.00	4,842.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,100.00	0.00	0.00	4,942.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,200.00	0.00	0.00	5,042.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,300.00	0.00	0.00	5,142.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,400.00	0.00	0.00	5,242.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00

Database:	Compass	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 7522.00ft
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 7522.00ft
Site:	SECTION 28 T12S R15E	**North Reference:**	True
Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR UF 2-28D-12-15		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,500.00	0.00	0.00	5,342.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,600.00	0.00	0.00	5,442.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,700.00	0.00	0.00	5,542.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,800.00	0.00	0.00	5,642.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
5,900.00	0.00	0.00	5,742.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,000.00	0.00	0.00	5,842.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,100.00	0.00	0.00	5,942.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,200.00	0.00	0.00	6,042.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,300.00	0.00	0.00	6,142.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,400.00	0.00	0.00	6,242.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,500.00	0.00	0.00	6,342.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,600.00	0.00	0.00	6,442.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,670.55	0.00	0.00	6,513.00	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
DARK CANYON									
6,700.00	0.00	0.00	6,542.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,800.00	0.00	0.00	6,642.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
6,885.55	0.00	0.00	6,728.00	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
PRICE RIVER									
6,900.00	0.00	0.00	6,742.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,000.00	0.00	0.00	6,842.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,100.00	0.00	0.00	6,942.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,200.00	0.00	0.00	7,042.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,300.00	0.00	0.00	7,142.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,400.00	0.00	0.00	7,242.45	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
7,470.55	0.00	0.00	7,313.00	12.17	-1,019.31	1,019.38	0.00	0.00	0.00
TD at 7470.55									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,000.00	1,000.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,004.26	2,923.00	WASATCH		0.00	
4,990.55	4,833.00	NORTH HORN		0.00	
6,670.55	6,513.00	DARK CANYON		0.00	
6,885.55	6,728.00	PRICE RIVER		0.00	

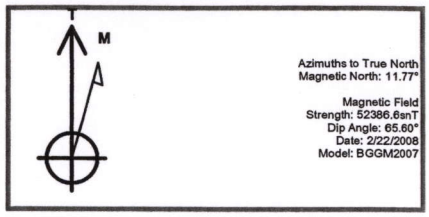
Database:	Compass	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	KB @ 7522.00ft
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	KB @ 7522.00ft
Site:	SECTION 28 T12S R15E	**North Reference:**	True
Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR UF 2-28D-12-15		
Design:	Design #1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,060.00	1,060.00	0.02	0.00	Start Build 2.50
1,837.10	1,822.29	1.58	-130.48	Start 2182.09 hold at 1837.10 MD
4,019.18	3,880.14	10.23	-856.21	Start Drop -2.00
4,990.55	4,833.00	12.17	-1,019.31	Start 2480.00 hold at 4990.55 MD
7,470.55	7,313.00	12.17	-1,019.31	TD at 7470.55

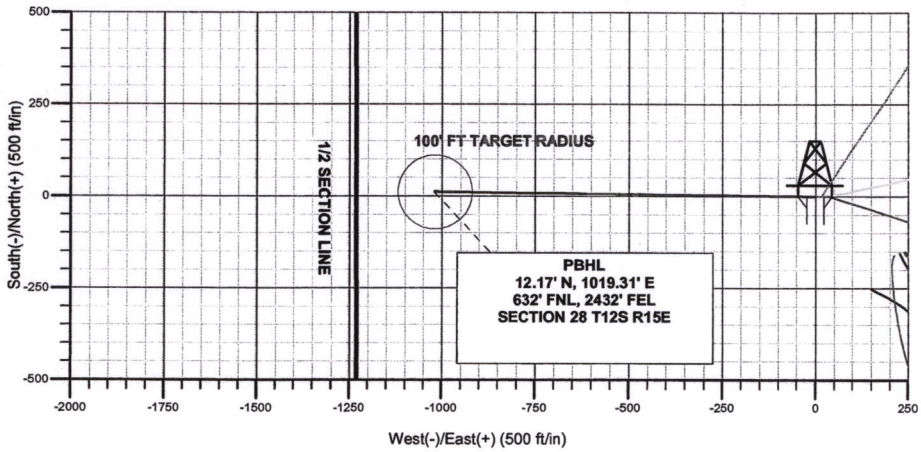
Bill Barrett Corporation

PR PR UF 2-28D-12-15
650' FNL,1412' FEL
SECTION 28 T12S R15E
CARBON COUNTY, UT
Latitude: 39° 45' 0.410 N
Longitude: 110° 14' 12.8300 W

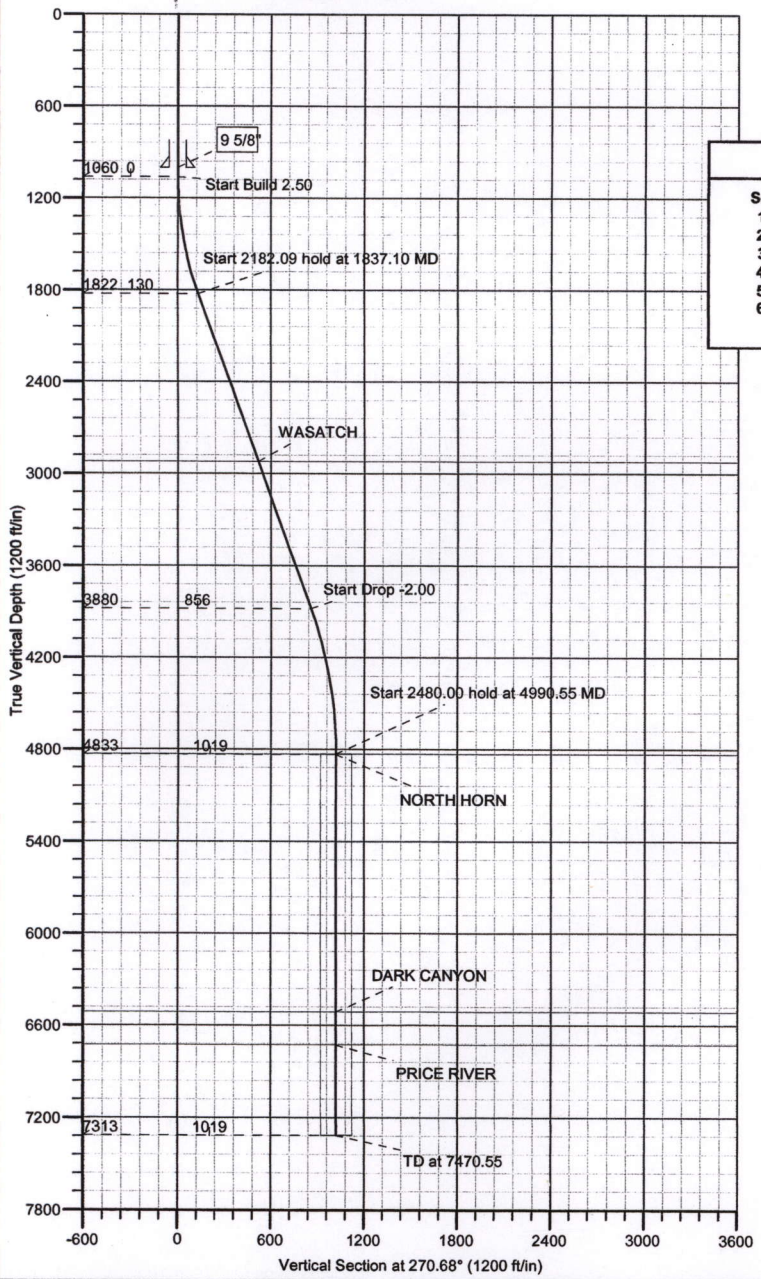


Azimuths to True North
Magnetic North: 11.77°

Magnetic Field
Strength: 52386.6snT
Dip Angle: 65.60°
Date: 2/22/2008
Model: BGGM2007



KB ELEV: KB @ 7522.00ft
GRD ELEV: 7505.00



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	
2	1060.00	0.00	0.00	1060.00	0.02	0.00	0.00	0.00	0.00	
3	1837.10	19.43	270.68	1822.29	1.58	-130.48	2.50	270.68	130.49	
4	4019.18	19.43	270.68	3880.14	10.23	-856.21	0.00	0.00	856.27	
5	4990.55	0.00	0.00	4833.00	12.17	-1019.31	2.00	180.00	1019.38	
6	7470.55	0.00	0.00	7313.00	12.17	-1019.31	0.00	0.00	1019.38	PBHL_PR PR 2-28D-12-15

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2923.00	3004.26	WASATCH
4833.00	4990.55	NORTH HORN
6513.00	6670.55	DARK CANYON
6728.00	6885.55	PRICE RIVER

Plan: Design #1 (PR PR UF 2-28D-12-15/PR PR UF 2-28D-12-15)

Created By: ROBERT H. SCOTT Date: 13:25, March 06 2008

Bill Barrett Corporation

BILL BARRETT CORP

CARBON COUNTY, UT (NAD 27)
SECTION 28 T12S R15E
PR PR UF 2-28D-12-15

PR PR UF 2-28D-12-15
Design #1

Anticollision Report

06 March, 2008

Bill Barrett Corporation

BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**		

Survey Tool Program **Date** 3/6/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	7,470.55	Design #1 (PR PR UF 2-28D-12-15)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
SECTION 28 T12S R15E						
PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D	100.00	89.51	275.26	275.06	1,398.926	CC
PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D	200.00	188.96	275.54	275.00	513.566	ES
PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D	7,470.55	7,305.00	1,199.72	1,168.64	38.603	SF
PR PR 5-27D-12-15 - PR PR 5-27D-12-15 - PR PR 5-27D	100.00	89.53	285.11	284.91	1,453.405	CC
PR PR 5-27D-12-15 - PR PR 5-27D-12-15 - PR PR 5-27D	200.00	189.01	285.37	284.83	533.143	ES
PR PR 5-27D-12-15 - PR PR 5-27D-12-15 - PR PR 5-27D	1,700.00	1,657.80	390.77	385.16	69.601	SF
PR PR 8-28D-12-15 - PR PR 8-28D-12-15 - PR PR 8-28D	1,060.08	1,050.09	285.01	281.59	83.318	CC, ES
PR PR 8-28D-12-15 - PR PR 8-28D-12-15 - PR PR 8-28D	7,470.55	7,389.70	2,296.52	2,256.74	57.733	SF
PR PR UF 16X-21D-12-15 - PR PR UF 16X-21D-12-15 -	1,060.00	1,060.00	16.43	11.93	3.650	CC, ES
PR PR UF 16X-21D-12-15 - PR PR UF 16X-21D-12-15 -	1,100.00	1,099.82	16.99	12.32	3.635	SF
PR PR UF 1A-28D-12-15 - PR PR UF 1A-28D-12-15 - De	1,060.00	1,060.00	48.52	44.02	10.778	CC, ES
PR PR UF 1A-28D-12-15 - PR PR UF 1A-28D-12-15 - De	1,100.00	1,099.33	49.14	44.47	10.522	SF
PR PR UF 5A-27D-12-15 - PR PR UF 5A-27D-12-15 - De	1,060.00	1,060.00	32.09	27.59	7.127	CC, ES
PR PR UF 5A-27D-12-15 - PR PR UF 5A-27D-12-15 - De	1,100.00	1,099.47	32.76	28.09	7.018	SF
PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15 - PR P	1,062.08	1,052.28	266.11	262.68	77.610	CC, ES
PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15 - PR P	1,900.00	1,857.28	401.08	394.39	60.005	SF

Offset Design SECTION 28 T12S R15E - PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D-12-15 — **Offset Site Error:** 0.00 ft

Survey Program: 1575-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	124.07	-154.12	227.95	275.36				
100.00	100.00	89.51	89.51	0.09	0.10	124.08	-154.20	228.00	275.26	275.06	0.20	1,398.926	CC
200.00	200.00	188.96	188.96	0.32	0.22	124.11	-154.48	228.14	275.54	275.00	0.54	513.566	ES
300.00	300.00	288.40	288.40	0.54	0.34	124.16	-154.96	228.39	276.02	275.14	0.88	314.987	
400.00	400.00	387.85	387.84	0.77	0.45	124.24	-155.64	228.74	276.70	275.48	1.22	227.535	
500.00	500.00	487.29	487.28	0.99	0.57	124.33	-156.53	229.20	277.58	276.02	1.56	178.408	
600.00	600.00	586.73	586.71	1.22	0.69	124.45	-157.61	229.76	278.66	276.76	1.90	146.997	
700.00	700.00	686.16	686.13	1.44	0.80	124.59	-158.89	230.43	279.94	277.70	2.24	125.224	
800.00	800.00	785.58	785.54	1.67	0.92	124.75	-160.37	231.19	281.42	278.85	2.58	109.275	
900.00	900.00	885.00	884.94	1.89	1.04	124.93	-162.06	232.06	283.11	280.19	2.92	97.113	
1,000.00	1,000.00	984.40	984.32	2.12	1.15	125.13	-163.94	233.04	285.00	281.74	3.26	87.553	
1,060.00	1,060.00	1,044.04	1,043.94	2.25	1.22	125.26	-165.17	233.67	286.23	282.77	3.46	82.747	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Bill Barrett Corporation

BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D-12-15

Offset Site Error: 0.00 ft

Survey Program: 1575-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,100.00	1,100.00	1,083.79	1,083.68	2.34	1.27	-145.36	-166.02	234.12	287.38	283.82	3.57	80.594	
1,200.00	1,199.91	1,183.04	1,182.90	2.54	1.39	-145.48	-168.30	235.30	292.91	289.03	3.88	75.501	
1,300.00	1,299.56	1,281.95	1,281.77	2.75	1.50	-145.99	-170.78	236.58	302.24	298.04	4.20	71.963	
1,400.00	1,398.75	1,380.31	1,380.08	2.99	1.62	-146.83	-173.43	237.95	315.43	310.91	4.53	69.636	
1,500.00	1,497.30	1,477.92	1,477.64	3.27	1.73	-147.91	-176.26	239.42	332.56	327.69	4.87	68.251	
1,600.00	1,595.02	1,575.00	1,574.66	3.59	1.84	-149.17	-179.26	240.97	353.71	348.48	5.23	67.599	
1,700.00	1,691.71	1,663.87	1,663.44	3.98	2.07	-150.34	-182.80	242.97	379.74	374.04	5.70	66.663	
1,800.00	1,787.21	1,751.11	1,750.48	4.45	2.29	-151.43	-187.66	245.97	411.40	405.23	6.17	66.655	
1,837.10	1,822.29	1,782.88	1,782.16	4.64	2.38	-151.80	-189.76	247.31	424.55	418.20	6.35	66.842	
1,900.00	1,881.61	1,836.28	1,835.35	4.99	2.51	-152.64	-193.71	249.88	447.86	441.18	6.67	67.128	
2,000.00	1,975.92	1,918.88	1,917.49	5.58	2.76	-153.71	-200.90	254.67	486.43	479.23	7.20	67.557	
2,100.00	2,070.23	1,999.68	1,997.63	6.19	3.01	-154.50	-209.44	260.47	527.01	519.27	7.74	68.090	
2,200.00	2,164.53	2,079.14	2,076.19	6.82	3.27	-155.09	-219.30	267.25	569.50	561.21	8.29	68.738	
2,300.00	2,258.84	2,157.87	2,153.73	7.46	3.53	-155.50	-230.47	275.02	613.79	604.95	8.84	69.442	
2,400.00	2,353.15	2,238.64	2,233.03	8.11	3.85	-155.81	-243.03	283.81	659.44	650.02	9.42	70.005	
2,500.00	2,447.45	2,318.39	2,311.10	8.77	4.17	-156.02	-256.32	293.20	706.24	696.23	10.01	70.555	
2,600.00	2,541.76	2,409.00	2,399.51	9.44	4.54	-156.17	-272.51	304.71	754.25	743.61	10.63	70.939	
2,700.00	2,636.06	2,490.21	2,478.65	10.11	4.85	-156.26	-287.46	315.06	802.41	791.19	11.22	71.523	
2,800.00	2,730.37	2,589.27	2,575.40	10.79	5.19	-156.36	-305.26	326.72	849.68	837.86	11.82	71.914	
2,900.00	2,824.68	2,696.13	2,680.13	11.47	5.55	-156.49	-323.30	337.87	895.46	883.04	12.42	72.073	
3,000.00	2,918.98	2,803.52	2,785.79	12.15	5.89	-156.66	-339.96	347.38	939.45	926.41	13.04	72.050	
3,100.00	3,013.29	2,912.74	2,893.68	12.84	6.23	-156.91	-354.78	355.64	981.68	968.03	13.65	71.907	
3,200.00	3,107.60	3,022.06	3,002.00	13.53	6.54	-157.20	-367.84	362.47	1,022.25	1,007.99	14.26	71.686	
3,300.00	3,201.90	3,136.13	3,115.39	14.22	6.84	-157.59	-378.86	368.32	1,061.10	1,046.24	14.86	71.395	
3,400.00	3,296.21	3,254.98	3,233.79	14.91	7.13	-158.03	-388.23	372.30	1,097.83	1,082.37	15.46	70.997	
3,500.00	3,390.52	3,377.97	3,356.54	15.60	7.39	-158.51	-395.78	373.90	1,132.22	1,116.16	16.06	70.505	
3,600.00	3,484.82	3,493.51	3,472.00	16.29	7.59	-159.04	-399.81	373.72	1,164.48	1,148.20	16.28	71.522	
3,700.00	3,579.13	3,597.86	3,576.34	16.99	7.76	-159.59	-401.08	372.93	1,195.53	1,182.44	13.09	91.345	
3,800.00	3,673.44	3,696.22	3,674.69	17.68	7.91	-160.10	-401.81	371.86	1,226.22	1,214.91	11.31	108.449	
3,900.00	3,767.74	3,795.37	3,773.83	18.38	8.07	-160.58	-402.52	370.48	1,256.71	1,247.91	8.80	142.794	
4,000.00	3,862.05	3,891.13	3,869.58	19.08	8.22	-161.02	-403.18	368.84	1,286.98	1,277.14	9.85	130.693	
4,019.18	3,880.14	3,908.97	3,887.41	19.21	8.25	-161.10	-403.34	368.54	1,292.81	1,282.29	10.51	122.971	
4,100.00	3,956.72	3,989.62	3,968.25	19.70	8.39	-161.58	-404.12	367.05	1,316.27	1,307.29	8.98	146.590	
4,200.00	4,052.45	4,093.38	4,071.78	20.18	8.56	-162.09	-405.12	364.64	1,342.01	1,322.29	19.72	68.048	
4,300.00	4,149.12	4,203.06	4,181.39	20.62	8.74	-162.51	-406.07	361.33	1,363.90	1,343.76	20.14	67.707	
4,400.00	4,246.62	4,312.96	4,291.21	21.01	8.91	-162.85	-406.67	357.07	1,381.65	1,361.07	20.58	67.139	
4,500.00	4,344.84	4,432.51	4,410.61	21.34	9.10	-163.11	-407.04	351.08	1,394.97	1,373.95	21.02	66.362	
4,600.00	4,443.66	4,548.40	4,526.27	21.63	9.27	-163.29	-406.94	343.71	1,403.58	1,382.20	21.38	65.637	
4,700.00	4,542.95	4,654.03	4,631.64	21.87	9.42	-163.42	-405.58	336.53	1,408.09	1,386.46	21.63	65.093	
4,800.00	4,642.59	4,753.91	4,731.27	22.07	9.55	-163.56	-402.65	330.08	1,409.10	1,397.34	11.76	119.833	
4,900.00	4,742.46	4,847.97	4,825.06	22.21	9.67	-163.72	-398.06	324.76	1,406.96	1,389.26	17.70	79.469	
4,990.55	4,833.00	4,934.26	4,911.08	22.31	9.77	106.80	-392.51	320.69	1,402.54	1,380.28	22.27	62.992	
5,000.00	4,842.45	4,943.42	4,920.21	22.32	9.79	106.79	-391.92	320.27	1,401.95	1,379.65	22.30	62.881	
5,100.00	4,942.45	5,031.75	5,008.28	22.42	9.90	106.61	-386.26	316.49	1,396.01	1,373.48	22.53	61.968	
5,200.00	5,042.45	5,126.41	5,102.68	22.53	10.02	106.40	-380.16	313.28	1,390.92	1,368.11	22.81	60.983	
5,300.00	5,142.45	5,228.71	5,204.71	22.63	10.16	106.18	-373.55	309.76	1,385.79	1,362.60	23.19	59.747	
5,400.00	5,242.45	5,328.87	5,304.63	22.74	10.31	105.99	-367.58	306.02	1,380.55	1,356.98	23.57	58.567	
5,500.00	5,342.45	5,438.22	5,413.70	22.85	10.47	105.78	-361.19	301.60	1,375.07	1,351.09	23.98	57.344	
5,600.00	5,442.45	5,557.94	5,533.03	22.96	10.65	105.55	-353.78	295.45	1,368.44	1,344.01	24.43	56.018	
5,700.00	5,542.45	5,676.34	5,650.92	23.07	10.83	105.32	-346.02	287.78	1,360.45	1,335.61	24.84	54.764	
5,800.00	5,642.45	5,787.42	5,761.38	23.19	10.99	105.09	-337.95	279.31	1,351.15	1,325.95	25.21	53.600	
5,900.00	5,742.45	5,892.94	5,866.26	23.30	11.16	104.85	-329.94	270.85	1,341.44	1,315.86	25.57	52.455	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Bill Barrett Corporation

BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	***Local Co-ordinate Reference:***	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 1-28D-12-15 - PR PR 1-28D-12-15 - PR PR 1-28D-12-15

Offset Site Error: 0.00 ft

Survey Program: 1575-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,000.00	5,842.45	6,003.95	5,976.51	23.42	11.33	104.59	-321.26	261.24	1,331.07	1,305.14	25.94	51.322	
6,100.00	5,942.45	6,110.52	6,082.24	23.54	11.50	104.32	-312.28	251.36	1,319.96	1,293.66	26.30	50.188	
6,200.00	6,042.45	6,209.35	6,180.29	23.66	11.66	104.09	-304.29	241.86	1,308.64	1,281.98	26.66	49.088	
6,300.00	6,142.45	6,312.79	6,282.95	23.78	11.84	103.88	-296.87	231.61	1,297.30	1,270.26	27.03	47.989	
6,400.00	6,242.45	6,418.93	6,388.18	23.90	12.03	103.68	-289.47	219.84	1,284.81	1,257.40	27.41	46.878	
6,500.00	6,342.45	6,489.00	6,457.81	24.03	12.15	103.58	-285.46	213.14	1,274.06	1,246.34	27.72	45.966	
6,600.00	6,442.45	6,580.39	6,548.77	24.16	12.32	103.46	-281.08	205.56	1,264.84	1,236.77	28.07	45.060	
6,700.00	6,542.45	6,672.55	6,640.54	24.28	12.50	103.36	-276.90	198.11	1,255.93	1,227.50	28.43	44.179	
6,800.00	6,642.45	6,769.72	6,737.33	24.41	12.68	103.26	-272.86	190.62	1,247.47	1,218.67	28.80	43.317	
6,900.00	6,742.45	6,868.34	6,835.59	24.54	12.87	103.15	-268.80	183.10	1,239.10	1,209.93	29.17	42.476	
7,000.00	6,842.45	6,966.98	6,933.86	24.68	13.06	103.05	-264.75	175.65	1,230.82	1,201.27	29.55	41.658	
7,100.00	6,942.45	7,065.63	7,032.15	24.81	13.26	102.94	-260.73	168.29	1,222.62	1,192.70	29.92	40.864	
7,200.00	7,042.45	7,164.29	7,130.46	24.94	13.45	102.83	-256.73	160.99	1,214.51	1,184.22	30.29	40.091	
7,300.00	7,142.45	7,262.97	7,228.79	25.08	13.64	102.73	-252.74	153.78	1,206.48	1,175.81	30.67	39.336	
7,400.00	7,242.45	7,305.00	7,270.68	25.22	13.72	102.68	-251.06	150.73	1,199.89	1,168.95	30.94	38.778	
7,438.23	7,280.68	7,305.00	7,270.68	25.27	13.72	102.68	-251.06	150.73	1,199.28	1,168.27	31.02	38.666	
7,470.55	7,313.00	7,305.00	7,270.68	25.31	13.72	102.68	-251.06	150.73	1,199.72	1,168.64	31.08	38.603 SF	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 5-27D-12-15 - PR PR 5-27D-12-15 - PR PR 5-27D-12-15

Offset Site Error: 0.00 ft

Survey Program: 1594-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	121.53	-149.05	242.95	285.21				
100.00	100.00	89.53	89.53	0.09	0.10	121.53	-149.09	243.01	285.11	284.91	0.20	1,453.405	CC
200.00	200.00	189.01	189.01	0.32	0.22	121.54	-149.24	243.21	285.37	284.83	0.54	533.143	ES
300.00	300.00	288.48	288.48	0.54	0.33	121.55	-149.51	243.57	285.81	284.93	0.87	326.883	
400.00	400.00	387.95	387.95	0.77	0.45	121.56	-149.88	244.07	286.43	285.22	1.21	236.052	
500.00	500.00	487.43	487.42	0.99	0.56	121.57	-150.36	244.71	287.24	285.68	1.55	185.015	
600.00	600.00	586.89	586.88	1.22	0.68	121.59	-150.94	245.51	288.23	286.34	1.89	152.374	
700.00	700.00	686.36	686.34	1.44	0.79	121.61	-151.64	246.45	289.40	287.17	2.23	129.738	
800.00	800.00	785.82	785.79	1.67	0.90	121.63	-152.45	247.54	290.76	288.19	2.57	113.147	
900.00	900.00	885.27	885.23	1.89	1.02	121.66	-153.36	248.77	292.30	289.39	2.91	100.488	
1,000.00	1,000.00	984.72	984.66	2.12	1.13	121.69	-154.39	250.16	294.02	290.77	3.25	90.528	
1,060.00	1,060.00	1,044.38	1,044.32	2.25	1.20	121.70	-155.05	251.06	295.14	291.69	3.45	85.517	
1,100.00	1,100.00	1,084.15	1,084.08	2.34	1.25	-148.99	-155.52	251.69	296.23	292.68	3.55	83.448	
1,200.00	1,199.91	1,183.43	1,183.33	2.54	1.36	-149.27	-156.76	253.36	301.69	297.83	3.86	78.121	
1,300.00	1,299.56	1,282.34	1,282.22	2.75	1.48	-149.88	-158.10	255.17	311.10	306.92	4.18	74.434	
1,400.00	1,398.75	1,380.68	1,380.53	2.99	1.59	-150.79	-159.55	257.12	324.52	320.02	4.51	72.033	
1,500.00	1,497.30	1,478.23	1,478.05	3.27	1.70	-151.90	-161.08	259.19	342.03	337.18	4.84	70.642	
1,600.00	1,595.02	1,574.80	1,574.58	3.59	1.81	-153.14	-162.70	261.38	363.69	358.49	5.19	70.049	
1,700.00	1,691.71	1,657.80	1,657.50	3.98	1.99	-154.22	-164.72	264.25	390.77	385.16	5.61	69.601	SF
1,800.00	1,787.21	1,736.80	1,736.23	4.45	2.20	-155.16	-168.40	269.55	425.50	419.43	6.07	70.070	
1,837.10	1,822.29	1,765.77	1,765.03	4.64	2.27	-155.46	-170.24	271.97	440.14	433.89	6.25	70.445	
1,900.00	1,881.61	1,813.27	1,812.18	4.99	2.41	-156.15	-173.79	276.51	466.35	459.79	6.56	71.140	
2,000.00	1,975.92	1,886.11	1,884.21	5.58	2.64	-157.05	-180.36	285.15	510.62	503.58	7.04	72.488	
2,100.00	2,070.23	1,957.78	1,954.69	6.19	2.89	-157.75	-188.12	295.61	557.88	550.33	7.55	73.925	
2,200.00	2,164.53	2,028.99	2,024.29	6.82	3.16	-158.29	-197.10	307.66	607.71	599.65	8.06	75.435	
2,300.00	2,258.84	2,100.00	2,093.35	7.46	3.45	-158.77	-206.49	321.23	659.59	651.02	8.56	77.017	
2,400.00	2,353.15	2,167.48	2,158.61	8.11	3.76	-159.17	-215.91	335.56	713.49	704.42	9.07	78.658	
2,500.00	2,447.45	2,232.89	2,221.44	8.77	4.09	-159.49	-225.84	350.82	769.46	759.88	9.58	80.314	
2,600.00	2,541.76	2,290.00	2,275.93	9.44	4.39	-159.71	-235.13	365.17	827.34	817.26	10.08	82.096	
2,700.00	2,636.06	2,357.06	2,339.44	10.11	4.80	-159.93	-246.72	383.31	887.00	876.40	10.60	83.644	
2,800.00	2,730.37	2,412.83	2,391.81	10.79	5.15	-160.07	-256.89	399.57	948.56	937.44	11.12	85.337	
2,900.00	2,824.68	2,480.00	2,454.13	11.47	5.61	-160.22	-269.94	420.93	1,012.38	1,000.72	11.65	86.869	
3,000.00	2,918.98	2,511.75	2,483.27	12.15	5.86	-160.27	-276.46	431.73	1,077.82	1,065.70	12.11	88.974	
3,100.00	3,013.29	2,575.00	2,540.59	12.84	6.36	-160.34	-290.22	454.65	1,145.66	1,133.00	12.66	90.519	
3,200.00	3,107.60	2,626.48	2,586.93	13.53	6.75	-160.39	-301.72	473.90	1,214.39	1,201.23	13.15	92.318	
3,300.00	3,201.90	2,697.39	2,650.98	14.22	7.29	-160.46	-317.29	500.04	1,282.90	1,269.20	13.69	93.682	
3,400.00	3,296.21	2,754.53	2,702.31	14.91	7.75	-160.51	-330.02	521.67	1,352.23	1,338.02	14.21	95.182	
3,500.00	3,390.52	2,821.96	2,762.77	15.60	8.31	-160.59	-344.67	547.69	1,421.98	1,407.23	14.75	96.412	
3,600.00	3,484.82	2,881.17	2,815.74	16.29	8.82	-160.67	-357.35	570.90	1,492.13	1,476.85	15.27	97.695	
3,700.00	3,579.13	2,940.33	2,868.43	16.99	9.35	-160.73	-370.40	594.45	1,562.88	1,547.08	15.80	98.910	
3,800.00	3,673.44	3,003.27	2,924.26	17.68	9.93	-160.76	-384.84	619.64	1,634.03	1,617.68	16.35	99.950	
3,900.00	3,767.74	3,060.82	2,975.14	18.38	10.48	-160.77	-398.47	642.83	1,705.58	1,688.69	16.89	100.994	
4,000.00	3,862.05	3,113.00	3,021.07	19.08	10.99	-160.78	-410.98	664.21	1,777.70	1,760.28	17.42	102.063	
4,019.18	3,880.14	3,126.31	3,032.74	19.21	11.11	-160.78	-414.21	669.73	1,791.62	1,774.09	17.53	102.225	
4,100.00	3,956.72	3,212.22	3,108.44	19.70	11.89	-161.30	-434.70	704.78	1,849.01	1,830.93	18.08	102.256	
4,200.00	4,052.45	3,314.36	3,199.30	20.18	12.82	-161.82	-458.31	745.05	1,916.59	1,897.86	18.73	102.337	
4,300.00	4,149.12	3,373.50	3,251.90	20.62	13.34	-162.27	-472.37	768.14	1,981.60	1,962.35	19.25	102.944	
4,400.00	4,246.62	3,444.40	3,314.64	21.01	13.99	-162.61	-490.11	796.00	2,044.62	2,024.81	19.81	103.234	
4,500.00	4,344.84	3,520.77	3,382.17	21.34	14.71	-162.87	-509.38	825.99	2,105.08	2,084.70	20.37	103.327	
4,600.00	4,443.66	3,588.00	3,441.52	21.63	15.35	-163.10	-526.40	852.59	2,163.16	2,142.27	20.89	103.556	
4,700.00	4,542.95	3,666.94	3,511.09	21.87	16.11	-163.27	-546.26	884.17	2,218.84	2,197.41	21.43	103.533	
4,800.00	4,642.59	3,738.52	3,574.04	22.07	16.81	-163.42	-564.16	913.15	2,272.13	2,250.21	21.92	103.648	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 5-27D-12-15 - PR PR 5-27D-12-15 - PR PR 5-27D-12-15

Offset Site Error: 0.00 ft

Survey Program: 1594-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,742.46	3,816.68	3,642.56	22.21	17.59	-163.51	-583.97	945.12	2,323.06	2,300.65	22.41	103.652	
4,990.55	4,833.00	3,903.96	3,719.07	22.31	18.43	107.18	-606.24	980.75	2,366.72	2,343.82	22.90	103.371	
5,000.00	4,842.45	3,915.10	3,728.84	22.32	18.53	107.22	-609.08	985.26	2,371.12	2,348.17	22.95	103.303	
5,100.00	4,942.45	4,032.76	3,832.53	22.42	19.61	107.61	-638.87	1,032.24	2,417.14	2,393.58	23.56	102.604	
5,200.00	5,042.45	4,178.98	3,962.63	22.53	20.89	108.04	-674.52	1,088.63	2,461.60	2,437.34	24.26	101.484	
5,300.00	5,142.45	4,279.09	4,052.34	22.63	21.76	108.33	-698.42	1,126.10	2,504.87	2,480.09	24.78	101.067	
5,400.00	5,242.45	4,365.99	4,130.34	22.74	22.51	108.55	-718.76	1,158.55	2,547.94	2,522.67	25.27	100.836	
5,500.00	5,342.45	4,428.60	4,186.34	22.85	23.08	108.72	-733.68	1,182.26	2,591.68	2,566.01	25.67	100.959	
5,600.00	5,442.45	4,579.91	4,322.31	22.96	24.42	109.09	-769.00	1,238.43	2,634.39	2,608.00	26.40	99.804	
5,700.00	5,542.45	4,654.60	4,389.66	23.07	25.07	109.24	-785.64	1,266.09	2,676.85	2,650.02	26.83	99.764	
5,800.00	5,642.45	4,741.69	4,468.06	23.19	25.84	109.42	-805.20	1,298.58	2,719.65	2,692.33	27.32	99.543	
5,900.00	5,742.45	4,847.63	4,563.55	23.30	26.77	109.65	-829.45	1,337.53	2,762.13	2,734.26	27.88	99.083	
6,000.00	5,842.45	4,918.00	4,627.01	23.42	27.39	109.80	-845.69	1,363.24	2,804.57	2,776.26	28.30	99.084	
6,100.00	5,942.45	4,985.95	4,688.09	23.54	28.01	109.94	-861.33	1,388.58	2,847.70	2,818.96	28.73	99.116	
6,200.00	6,042.45	5,057.46	4,752.03	23.66	28.67	110.07	-877.72	1,416.08	2,891.80	2,862.63	29.17	99.137	
6,300.00	6,142.45	5,200.52	4,880.18	23.78	29.97	110.34	-910.69	1,470.45	2,935.78	2,905.92	29.86	98.314	
6,400.00	6,242.45	5,281.43	4,953.00	23.90	30.68	110.50	-929.65	1,500.20	2,978.58	2,948.25	30.33	98.218	
6,500.00	6,342.45	5,340.69	5,006.15	24.03	31.22	110.62	-944.05	1,522.08	3,021.94	2,991.22	30.72	98.362	
6,600.00	6,442.45	5,418.48	5,075.51	24.16	31.93	110.77	-963.14	1,551.68	3,066.35	3,035.16	31.19	98.313	
6,700.00	6,542.45	5,728.40	5,357.26	24.28	34.47	111.30	-1,032.66	1,660.28	3,106.92	3,074.49	32.42	95.821	
6,800.00	6,642.45	5,939.39	5,553.78	24.41	35.97	111.62	-1,075.07	1,724.25	3,142.09	3,108.82	33.28	94.426	
6,900.00	6,742.45	6,160.44	5,762.36	24.54	37.39	111.90	-1,115.35	1,785.28	3,174.61	3,140.48	34.12	93.029	
7,000.00	6,842.45	6,346.32	5,939.67	24.68	38.47	112.09	-1,145.26	1,832.37	3,204.50	3,169.66	34.84	91.984	
7,100.00	6,942.45	6,568.76	6,154.18	24.81	39.61	112.28	-1,176.56	1,882.10	3,230.63	3,195.02	35.62	90.706	
7,200.00	7,042.45	6,806.36	6,385.65	24.94	40.66	112.45	-1,205.21	1,927.38	3,253.21	3,216.82	36.39	89.393	
7,300.00	7,142.45	7,111.79	6,686.44	25.08	41.72	112.63	-1,234.40	1,971.24	3,270.52	3,233.26	37.26	87.774	
7,400.00	7,242.45	7,268.45	6,841.76	25.22	42.15	112.70	-1,245.87	1,988.14	3,283.30	3,245.54	37.76	86.950	
7,470.55	7,313.00	7,414.10	6,986.51	25.31	42.44	112.77	-1,255.46	2,001.18	3,290.96	3,252.81	38.16	86.252	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 8-28D-12-15 - PR PR 8-28D-12-15 - PR PR 8-28D-12-15 — **Offset Site Error:** 0.00 ft

Survey Program: 1590-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis *Offset* (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	121.53	-149.04	242.95	285.21				
100.00	100.00	90.00	90.00	0.09	0.10	121.53	-149.06	242.94	285.04	284.84	0.19	1,472.878	
200.00	200.00	190.00	190.00	0.32	0.21	121.54	-149.10	242.92	285.03	284.51	0.53	538.135	
300.00	300.00	290.00	290.00	0.54	0.32	121.56	-149.17	242.87	285.03	284.17	0.87	329.206	
400.00	400.00	390.01	390.01	0.77	0.44	121.58	-149.26	242.81	285.03	283.83	1.20	237.137	
500.00	500.00	490.01	490.01	0.99	0.55	121.61	-149.39	242.73	285.03	283.49	1.54	185.311	
600.00	600.00	590.01	590.01	1.22	0.66	121.65	-149.55	242.63	285.03	283.15	1.87	152.074	
700.00	700.00	690.01	690.01	1.44	0.77	121.70	-149.73	242.52	285.03	282.81	2.21	128.946	
800.00	800.00	790.01	790.01	1.67	0.88	121.75	-149.94	242.38	285.02	282.48	2.55	111.924	
900.00	900.00	890.01	890.01	1.89	0.99	121.80	-150.18	242.23	285.02	282.14	2.88	98.872	
1,000.00	1,000.00	990.01	990.01	2.12	1.10	121.87	-150.45	242.06	285.02	281.80	3.22	88.546	
1,060.00	1,060.00	1,050.01	1,050.01	2.25	1.17	121.91	-150.63	241.94	285.01	281.59	3.42	83.324	
1,060.08	1,060.08	1,050.09	1,050.09	2.25	1.17	121.91	-150.63	241.94	285.01	281.59	3.42	83.318	CC, ES
1,100.00	1,100.00	1,090.01	1,090.01	2.34	1.22	-148.78	-150.75	241.87	285.31	281.76	3.55	80.326	
1,200.00	1,199.91	1,189.93	1,189.93	2.54	1.33	-149.06	-151.08	241.66	288.67	284.81	3.86	74.734	
1,300.00	1,299.56	1,289.60	1,289.60	2.75	1.44	-149.71	-151.43	241.43	295.80	291.62	4.18	70.802	
1,400.00	1,398.75	1,388.83	1,388.82	2.99	1.55	-150.68	-151.82	241.19	306.75	302.25	4.50	68.207	
1,500.00	1,497.30	1,487.42	1,487.42	3.27	1.66	-151.89	-152.22	240.93	321.63	316.80	4.82	66.702	
1,600.00	1,595.02	1,585.20	1,585.20	3.59	1.77	-153.26	-152.66	240.66	340.51	335.36	5.15	66.104	
1,700.00	1,691.71	1,669.48	1,669.45	3.98	1.95	-154.43	-153.96	241.49	365.05	359.44	5.61	65.017	
1,800.00	1,787.21	1,750.84	1,750.69	4.45	2.12	-155.43	-157.24	244.50	396.99	390.92	6.06	65.475	
1,837.10	1,822.29	1,779.00	1,778.76	4.64	2.18	-155.72	-158.85	246.03	410.63	404.40	6.23	65.899	
1,900.00	1,881.61	1,831.25	1,830.76	4.99	2.30	-156.43	-162.65	249.30	435.07	428.53	6.54	66.524	
2,000.00	1,975.92	1,912.15	1,911.03	5.58	2.50	-157.17	-170.80	255.20	475.84	468.80	7.05	67.539	
2,100.00	2,070.23	1,992.18	1,990.06	6.19	2.72	-157.51	-181.57	261.68	518.52	510.96	7.56	68.546	
2,200.00	2,164.53	2,069.13	2,065.70	6.82	2.96	-157.65	-193.64	269.09	563.24	555.14	8.10	69.571	
2,300.00	2,258.84	2,146.47	2,141.34	7.46	3.22	-157.67	-207.27	277.65	609.82	601.17	8.65	70.514	
2,400.00	2,353.15	2,218.76	2,211.69	8.11	3.50	-157.62	-221.18	286.79	658.26	649.06	9.20	71.522	
2,500.00	2,447.45	2,291.03	2,281.65	8.77	3.80	-157.55	-235.86	297.43	708.73	698.96	9.77	72.529	
2,600.00	2,541.76	2,366.30	2,354.09	9.44	4.14	-157.41	-252.42	309.40	760.74	750.38	10.36	73.410	
2,700.00	2,636.06	2,447.82	2,432.25	10.11	4.54	-157.19	-271.53	322.49	813.37	802.39	10.99	74.020	
2,800.00	2,730.37	2,522.45	2,503.61	10.79	4.91	-156.99	-289.47	334.96	866.74	855.14	11.60	74.724	
2,900.00	2,824.68	2,608.24	2,585.51	11.47	5.34	-156.78	-310.25	349.77	920.62	908.38	12.25	75.179	
3,000.00	2,918.98	2,696.03	2,669.40	12.15	5.76	-156.59	-331.46	364.61	974.20	961.32	12.88	75.621	
3,100.00	3,013.29	2,775.28	2,745.23	12.84	6.15	-156.48	-350.09	378.19	1,027.75	1,014.25	13.50	76.102	
3,200.00	3,107.60	2,855.47	2,821.77	13.53	6.57	-156.36	-369.35	392.34	1,081.89	1,067.75	14.14	76.511	
3,300.00	3,201.90	2,940.36	2,902.84	14.22	7.01	-156.25	-389.50	407.42	1,136.02	1,121.23	14.79	76.791	
3,400.00	3,296.21	3,024.96	2,983.58	14.91	7.47	-156.14	-409.93	422.30	1,190.17	1,174.71	15.46	76.999	
3,500.00	3,390.52	3,112.30	3,066.83	15.60	7.97	-155.98	-431.85	437.08	1,244.11	1,227.95	16.16	76.998	
3,600.00	3,484.82	3,192.00	3,142.54	16.29	8.44	-155.78	-453.04	450.11	1,298.13	1,281.28	16.85	77.027	
3,700.00	3,579.13	3,306.11	3,250.86	16.99	9.10	-155.40	-484.85	466.68	1,351.15	1,333.46	17.69	76.385	
3,800.00	3,673.44	3,390.33	3,330.89	17.68	9.56	-155.13	-508.49	478.06	1,403.51	1,385.10	18.41	76.245	
3,900.00	3,767.74	3,477.87	3,414.08	18.38	10.04	-154.87	-533.06	489.83	1,455.83	1,436.68	19.15	76.026	
4,000.00	3,862.05	3,569.25	3,501.03	19.08	10.54	-154.62	-558.45	501.94	1,507.92	1,488.02	19.90	75.764	
4,019.18	3,880.14	3,589.56	3,520.38	19.21	10.65	-154.57	-564.01	504.60	1,517.86	1,497.80	20.05	75.686	
4,100.00	3,956.72	3,672.75	3,599.80	19.70	11.08	-154.76	-586.41	515.08	1,558.39	1,537.67	20.71	75.243	
4,200.00	4,052.45	3,752.01	3,675.50	20.18	11.52	-154.98	-607.74	525.00	1,606.00	1,584.60	21.40	75.048	
4,300.00	4,149.12	3,826.96	3,746.90	20.62	11.96	-155.14	-628.35	534.71	1,651.44	1,629.38	22.07	74.832	
4,400.00	4,246.62	3,906.11	3,822.08	21.01	12.44	-155.21	-650.72	545.34	1,694.80	1,672.06	22.74	74.535	
4,500.00	4,344.84	3,997.17	3,908.47	21.34	12.97	-155.17	-676.60	557.88	1,735.70	1,712.28	23.42	74.107	
4,600.00	4,443.66	4,100.35	4,006.71	21.63	13.55	-155.06	-704.74	572.19	1,773.36	1,749.26	24.10	73.588	
4,700.00	4,542.95	4,194.92	4,096.90	21.87	14.06	-154.93	-730.09	585.04	1,807.69	1,783.00	24.70	73.190	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR 8-28D-12-15 - PR PR 8-28D-12-15 - PR PR 8-28D-12-15

Offset Site Error: 0.00 ft

Survey Program: 1590-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,800.00	4,642.59	4,295.61	4,193.06	22.07	14.61	-154.74	-756.51	598.99	1,839.12	1,813.83	25.29	72.725	
4,900.00	4,742.46	4,405.99	4,298.61	22.21	15.21	-154.43	-785.34	613.51	1,866.99	1,841.10	25.89	72.109	
4,990.55	4,833.00	4,501.89	4,390.20	22.31	15.75	116.61	-811.37	624.84	1,889.12	1,862.70	26.42	71.505	
5,000.00	4,842.45	4,510.00	4,397.93	22.32	15.80	116.66	-813.68	625.72	1,891.29	1,864.82	26.47	71.452	
5,100.00	4,942.45	4,601.11	4,484.72	22.42	16.31	117.23	-839.54	635.73	1,914.43	1,887.40	27.03	70.830	
5,200.00	5,042.45	4,707.73	4,586.34	22.53	16.91	117.88	-869.68	647.28	1,937.57	1,909.92	27.65	70.079	
5,300.00	5,142.45	4,793.00	4,667.57	22.63	17.39	118.40	-893.86	656.60	1,961.04	1,932.87	28.17	69.603	
5,400.00	5,242.45	4,895.98	4,765.62	22.74	17.98	119.01	-923.31	667.75	1,984.75	1,955.97	28.78	68.963	
5,500.00	5,342.45	4,994.22	4,859.27	22.85	18.53	119.57	-951.08	678.24	2,008.34	1,978.99	29.35	68.427	
5,600.00	5,442.45	5,105.01	4,965.05	22.96	19.14	120.19	-982.01	689.59	2,031.56	2,001.59	29.96	67.799	
5,700.00	5,542.45	5,204.87	5,060.49	23.07	19.68	120.73	-1,009.68	699.45	2,054.53	2,024.00	30.53	67.295	
5,800.00	5,642.45	5,309.11	5,160.18	23.19	20.25	121.29	-1,038.41	709.61	2,077.48	2,046.37	31.11	66.778	
5,900.00	5,742.45	5,422.74	5,269.14	23.30	20.86	121.86	-1,068.80	720.28	2,099.84	2,068.13	31.72	66.202	
6,000.00	5,842.45	5,545.32	5,386.91	23.42	21.50	122.46	-1,101.16	730.71	2,121.46	2,089.11	32.36	65.567	
6,100.00	5,942.45	5,630.21	5,468.65	23.54	21.93	122.86	-1,122.92	737.89	2,142.73	2,109.90	32.83	65.267	
6,200.00	6,042.45	5,775.23	5,608.61	23.66	22.64	123.50	-1,158.85	750.12	2,163.76	2,130.24	33.51	64.562	
6,300.00	6,142.45	5,888.95	5,718.97	23.78	23.17	123.97	-1,185.13	757.89	2,182.42	2,148.35	34.07	64.055	
6,400.00	6,242.45	6,021.87	5,848.37	23.90	23.76	124.47	-1,214.14	766.96	2,200.48	2,165.81	34.67	63.469	
6,500.00	6,342.45	6,192.97	6,016.13	24.03	24.43	124.99	-1,245.80	778.23	2,216.68	2,181.35	35.34	62.731	
6,600.00	6,442.45	6,393.67	6,214.45	24.16	25.08	125.51	-1,275.57	785.39	2,227.72	2,191.68	36.04	61.806	
6,700.00	6,542.45	6,479.34	6,299.24	24.28	25.35	125.74	-1,287.73	787.18	2,237.76	2,201.32	36.44	61.416	
6,800.00	6,642.45	6,588.00	6,406.73	24.41	25.63	126.03	-1,303.43	789.67	2,248.14	2,211.29	36.85	61.002	
6,900.00	6,742.45	6,706.64	6,524.28	24.54	25.92	126.32	-1,319.27	792.17	2,257.77	2,220.49	37.28	60.555	
7,000.00	6,842.45	6,825.65	6,642.38	24.68	26.21	126.58	-1,333.74	794.47	2,266.58	2,228.86	37.72	60.093	
7,100.00	6,942.45	6,945.01	6,761.00	24.81	26.50	126.81	-1,346.81	796.54	2,274.54	2,236.39	38.15	59.616	
7,200.00	7,042.45	7,064.67	6,880.08	24.94	26.80	127.02	-1,358.48	798.39	2,281.65	2,243.06	38.59	59.127	
7,300.00	7,142.45	7,184.61	6,999.57	25.08	27.09	127.20	-1,368.73	800.01	2,287.89	2,248.87	39.03	58.623	
7,400.00	7,242.45	7,304.79	7,119.42	25.22	27.39	127.35	-1,377.53	801.40	2,293.26	2,253.80	39.47	58.106	
7,470.55	7,313.00	7,389.70	7,204.16	25.31	27.59	127.45	-1,382.87	802.25	2,296.52	2,256.74	39.78	57.733 SF	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 16X-21D-12-15 - PR PR UF 16X-21D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.53	1.02	16.40	16.43				
100.00	100.00	100.00	100.00	0.09	0.09	86.53	1.02	16.40	16.43	16.25	0.19	88.085	
200.00	200.00	200.00	200.00	0.32	0.32	86.53	1.02	16.40	16.43	15.80	0.64	25.834	
300.00	300.00	300.00	300.00	0.54	0.54	86.53	1.02	16.40	16.43	15.35	1.09	15.137	
400.00	400.00	400.00	400.00	0.77	0.77	86.53	1.02	16.40	16.43	14.90	1.54	10.704	
500.00	500.00	500.00	500.00	0.99	0.99	86.53	1.02	16.40	16.43	14.45	1.98	8.280	
600.00	600.00	600.00	600.00	1.22	1.22	86.53	1.02	16.40	16.43	14.00	2.43	6.751	
700.00	700.00	700.00	700.00	1.44	1.44	86.53	1.02	16.40	16.43	13.55	2.88	5.698	
800.00	800.00	800.00	800.00	1.67	1.67	86.53	1.02	16.40	16.43	13.10	3.33	4.930	
900.00	900.00	900.00	900.00	1.89	1.89	86.53	1.02	16.40	16.43	12.65	3.78	4.344	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	86.53	1.02	16.40	16.43	12.20	4.23	3.883	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	86.53	1.02	16.40	16.43	11.93	4.50	3.650	CC, ES
1,100.00	1,100.00	1,099.82	1,099.82	2.34	2.34	175.00	1.31	16.59	16.99	12.32	4.67	3.635	SF
1,200.00	1,199.91	1,199.00	1,198.92	2.54	2.56	168.29	4.53	18.72	23.45	18.36	5.09	4.605	
1,300.00	1,299.56	1,296.98	1,296.56	2.75	2.78	161.86	11.23	23.15	37.50	31.98	5.52	6.798	
1,400.00	1,398.75	1,392.96	1,391.79	2.99	3.01	157.92	21.16	29.70	59.11	53.17	5.94	9.946	
1,500.00	1,497.30	1,486.18	1,483.73	3.27	3.26	155.58	33.99	38.17	88.03	81.65	6.38	13.803	
1,600.00	1,595.02	1,576.01	1,571.66	3.59	3.53	154.07	49.29	48.27	123.90	117.08	6.82	18.170	
1,700.00	1,691.71	1,661.92	1,655.02	3.98	3.84	152.96	66.60	59.70	166.39	159.12	7.27	22.880	
1,800.00	1,787.21	1,743.47	1,733.39	4.45	4.16	152.06	85.44	72.14	215.10	207.36	7.74	27.784	
1,837.10	1,822.29	1,774.37	1,762.90	4.64	4.29	151.77	93.09	77.19	234.58	226.66	7.92	29.607	
1,900.00	1,881.61	1,827.65	1,813.77	4.99	4.54	151.79	106.31	85.92	268.03	259.76	8.26	32.433	
2,000.00	1,975.92	1,912.35	1,894.63	5.58	4.94	151.82	127.31	99.79	321.19	312.36	8.83	36.379	
2,100.00	2,070.23	1,997.04	1,975.50	6.19	5.35	151.84	148.32	113.66	374.36	364.94	9.41	39.768	
2,200.00	2,164.53	2,081.74	2,056.37	6.82	5.79	151.85	169.33	127.53	427.52	417.51	10.02	42.676	
2,300.00	2,258.84	2,166.44	2,137.24	7.46	6.23	151.86	190.34	141.40	480.69	470.05	10.64	45.191	
2,400.00	2,353.15	2,251.13	2,218.11	8.11	6.68	151.87	211.35	155.27	533.86	522.59	11.27	47.377	
2,500.00	2,447.45	2,335.83	2,298.98	8.77	7.14	151.88	232.36	169.14	587.02	575.11	11.91	49.287	
2,600.00	2,541.76	2,420.52	2,379.84	9.44	7.60	151.89	253.37	183.01	640.19	627.63	12.56	50.965	
2,700.00	2,636.06	2,505.22	2,460.71	10.11	8.07	151.89	274.37	196.88	693.35	680.13	13.22	52.447	
2,800.00	2,730.37	2,589.92	2,541.58	10.79	8.54	151.90	295.38	210.75	746.52	732.63	13.89	53.759	
2,900.00	2,824.68	2,674.61	2,622.45	11.47	9.02	151.90	316.39	224.62	799.68	785.13	14.56	54.930	
3,000.00	2,918.98	2,759.31	2,703.32	12.15	9.50	151.90	337.40	238.49	852.85	837.62	15.24	55.979	
3,100.00	3,013.29	2,844.00	2,784.18	12.84	9.98	151.91	358.41	252.36	906.02	890.10	15.92	56.923	
3,200.00	3,107.60	2,928.70	2,865.05	13.53	10.46	151.91	379.42	266.23	959.18	942.58	16.60	57.777	
3,300.00	3,201.90	3,013.40	2,945.92	14.22	10.95	151.91	400.43	280.10	1,012.35	995.06	17.29	58.551	
3,400.00	3,296.21	3,098.09	3,026.79	14.91	11.43	151.91	421.43	293.97	1,065.51	1,047.53	17.98	59.256	
3,500.00	3,390.52	3,182.79	3,107.66	15.60	11.92	151.91	442.44	307.84	1,118.68	1,100.00	18.68	59.899	
3,600.00	3,484.82	3,267.48	3,188.52	16.29	12.41	151.92	463.45	321.71	1,171.85	1,152.47	19.37	60.488	
3,700.00	3,579.13	3,352.18	3,269.39	16.99	12.90	151.92	484.46	335.58	1,225.01	1,204.94	20.07	61.030	
3,800.00	3,673.44	3,436.87	3,350.26	17.68	13.39	151.92	505.47	349.45	1,278.18	1,257.40	20.77	61.529	
3,900.00	3,767.74	3,521.57	3,431.13	18.38	13.88	151.92	526.48	363.32	1,331.34	1,309.87	21.48	61.991	
4,000.00	3,862.05	3,606.27	3,512.00	19.08	14.37	151.92	547.49	377.20	1,384.51	1,362.33	22.18	62.419	
4,019.18	3,880.14	3,622.51	3,527.51	19.21	14.47	151.92	551.52	379.86	1,394.71	1,372.39	22.32	62.497	
4,100.00	3,956.72	3,691.49	3,593.37	19.70	14.87	152.36	568.63	391.15	1,436.82	1,413.86	22.96	62.581	
4,200.00	4,052.45	3,778.23	3,676.19	20.18	15.38	152.79	590.14	405.36	1,486.52	1,462.80	23.71	62.689	
4,300.00	4,149.12	3,866.43	3,760.40	20.62	15.89	153.12	612.02	419.80	1,533.50	1,509.06	24.45	62.728	
4,400.00	4,246.62	3,955.96	3,845.89	21.01	16.41	153.36	634.23	434.46	1,577.73	1,552.58	25.16	62.713	
4,500.00	4,344.84	4,046.73	3,932.55	21.34	16.95	153.50	656.74	449.33	1,619.17	1,593.32	25.84	62.655	
4,600.00	4,443.66	4,138.61	4,020.28	21.63	17.48	153.57	679.53	464.38	1,657.77	1,631.27	26.50	62.563	
4,700.00	4,542.95	4,312.43	4,187.47	21.87	18.29	153.33	719.12	490.51	1,691.66	1,664.33	27.32	61.914	
4,800.00	4,642.59	4,510.68	4,381.26	22.07	19.01	153.08	753.87	513.46	1,717.13	1,689.04	28.09	61.135	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 16X-21D-12-15 - PR PR UF 16X-21D-12-15 - Design #1

Offset Site Error: 0.00 ft
Survey Program: 0-MWD
Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,742.46	4,716.23	4,584.72	22.21	19.58	152.90	778.02	529.40	1,733.64	1,704.90	28.74	60.323	
4,990.55	4,833.00	4,906.19	4,774.15	22.31	19.94	63.46	789.45	536.95	1,740.56	1,717.47	23.09	75.377	
5,000.00	4,842.45	4,926.12	4,794.07	22.32	19.97	63.45	790.04	537.34	1,740.85	1,717.71	23.15	75.210	
5,100.00	4,942.45	5,074.52	4,942.45	22.42	20.14	63.42	791.27	538.15	1,741.46	1,717.83	23.63	73.708	
5,200.00	5,042.45	5,174.52	5,042.45	22.53	20.26	63.42	791.27	538.15	1,741.46	1,717.43	24.03	72.476	
5,300.00	5,142.45	5,274.52	5,142.45	22.63	20.37	63.42	791.27	538.15	1,741.46	1,717.03	24.43	71.274	
5,400.00	5,242.45	5,374.52	5,242.45	22.74	20.49	63.42	791.27	538.15	1,741.46	1,716.62	24.84	70.109	
5,500.00	5,342.45	5,474.52	5,342.45	22.85	20.61	63.42	791.27	538.15	1,741.46	1,716.21	25.25	68.982	
5,600.00	5,442.45	5,574.52	5,442.45	22.96	20.73	63.42	791.27	538.15	1,741.46	1,715.81	25.65	67.889	
5,700.00	5,542.45	5,674.52	5,542.45	23.07	20.85	63.42	791.27	538.15	1,741.46	1,715.40	26.06	66.830	
5,800.00	5,642.45	5,774.52	5,642.45	23.19	20.98	63.42	791.27	538.15	1,741.46	1,714.99	26.47	65.802	
5,900.00	5,742.45	5,874.52	5,742.45	23.30	21.10	63.42	791.27	538.15	1,741.46	1,714.59	26.87	64.804	
6,000.00	5,842.45	5,974.52	5,842.45	23.42	21.23	63.42	791.27	538.15	1,741.46	1,714.18	27.28	63.834	
6,100.00	5,942.45	6,074.52	5,942.45	23.54	21.36	63.42	791.27	538.15	1,741.46	1,713.77	27.69	62.892	
6,200.00	6,042.45	6,174.52	6,042.45	23.66	21.49	63.42	791.27	538.15	1,741.46	1,713.36	28.10	61.976	
6,300.00	6,142.45	6,274.52	6,142.45	23.78	21.62	63.42	791.27	538.15	1,741.46	1,712.95	28.51	61.085	
6,400.00	6,242.45	6,374.52	6,242.45	23.90	21.75	63.42	791.27	538.15	1,741.46	1,712.54	28.92	60.218	
6,500.00	6,342.45	6,474.52	6,342.45	24.03	21.89	63.42	791.27	538.15	1,741.46	1,712.13	29.33	59.374	
6,600.00	6,442.45	6,574.52	6,442.45	24.16	22.03	63.42	791.27	538.15	1,741.46	1,711.72	29.74	58.553	
6,700.00	6,542.45	6,674.52	6,542.45	24.28	22.16	63.42	791.27	538.15	1,741.46	1,711.31	30.15	57.752	
6,800.00	6,642.45	6,774.52	6,642.45	24.41	22.30	63.42	791.27	538.15	1,741.46	1,710.89	30.57	56.973	
6,900.00	6,742.45	6,874.52	6,742.45	24.54	22.44	63.42	791.27	538.15	1,741.46	1,710.48	30.98	56.212	
7,000.00	6,842.45	6,974.52	6,842.45	24.68	22.59	63.42	791.27	538.15	1,741.46	1,710.07	31.39	55.471	
7,100.00	6,942.45	7,074.52	6,942.45	24.81	22.73	63.42	791.27	538.15	1,741.46	1,709.65	31.81	54.748	
7,200.00	7,042.45	7,174.52	7,042.45	24.94	22.88	63.42	791.27	538.15	1,741.46	1,709.24	32.22	54.043	
7,300.00	7,142.45	7,274.52	7,142.45	25.08	23.02	63.42	791.27	538.15	1,741.46	1,708.82	32.64	53.355	
7,400.00	7,242.45	7,374.52	7,242.45	25.22	23.17	63.42	791.27	538.15	1,741.46	1,708.40	33.06	52.683	
7,470.55	7,313.00	7,445.07	7,313.00	25.31	23.27	63.42	791.27	538.15	1,741.46	1,708.11	33.35	52.219	

Bill Barrett Corporation

BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 1A-28D-12-15 - PR PR UF 1A-28D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.42	3.05	48.43	48.52				
100.00	100.00	100.00	100.00	0.09	0.09	86.42	3.05	48.43	48.52	48.34	0.19	260.091	
200.00	200.00	200.00	200.00	0.32	0.32	86.42	3.05	48.43	48.52	47.89	0.64	76.281	
300.00	300.00	300.00	300.00	0.54	0.54	86.42	3.05	48.43	48.52	47.44	1.09	44.695	
400.00	400.00	400.00	400.00	0.77	0.77	86.42	3.05	48.43	48.52	46.99	1.54	31.607	
500.00	500.00	500.00	500.00	0.99	0.99	86.42	3.05	48.43	48.52	46.54	1.98	24.448	
600.00	600.00	600.00	600.00	1.22	1.22	86.42	3.05	48.43	48.52	46.09	2.43	19.933	
700.00	700.00	700.00	700.00	1.44	1.44	86.42	3.05	48.43	48.52	45.64	2.88	16.826	
800.00	800.00	800.00	800.00	1.67	1.67	86.42	3.05	48.43	48.52	45.19	3.33	14.557	
900.00	900.00	900.00	900.00	1.89	1.89	86.42	3.05	48.43	48.52	44.74	3.78	12.827	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	86.42	3.05	48.43	48.52	44.29	4.23	11.464	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	86.42	3.05	48.43	48.52	44.02	4.50	10.778	CC, ES
1,100.00	1,100.00	1,099.33	1,099.33	2.34	2.34	175.72	3.10	48.69	49.14	44.47	4.67	10.522	SF
1,200.00	1,199.91	1,197.30	1,197.25	2.54	2.54	175.56	3.72	51.65	56.10	51.03	5.07	11.065	
1,300.00	1,299.56	1,294.10	1,293.84	2.75	2.75	175.32	5.01	57.78	70.74	65.26	5.48	12.918	
1,400.00	1,398.75	1,388.93	1,388.21	2.99	2.96	175.08	6.92	66.89	92.90	87.02	5.88	15.801	
1,500.00	1,497.30	1,481.05	1,479.54	3.27	3.19	174.88	9.39	78.66	122.38	116.10	6.28	19.500	
1,600.00	1,595.02	1,569.81	1,567.13	3.59	3.44	174.71	12.34	92.71	158.92	152.25	6.67	23.844	
1,700.00	1,691.71	1,659.60	1,655.42	3.98	3.71	174.61	15.68	108.65	201.27	194.22	7.05	28.563	
1,800.00	1,787.21	1,748.24	1,742.58	4.45	3.99	174.59	18.99	124.43	247.54	240.13	7.41	33.405	
1,837.10	1,822.29	1,780.60	1,774.40	4.64	4.10	174.59	20.20	130.19	265.68	258.14	7.54	35.217	
1,900.00	1,881.61	1,835.22	1,828.11	4.99	4.28	174.68	22.24	139.91	296.89	289.07	7.81	37.994	
2,000.00	1,975.92	1,922.05	1,913.49	5.58	4.58	174.79	25.48	155.36	346.49	338.23	8.26	41.953	
2,100.00	2,070.23	2,008.87	1,998.87	6.19	4.88	174.87	28.73	170.82	396.09	387.38	8.71	45.481	
2,200.00	2,164.53	2,095.70	2,084.25	6.82	5.20	174.94	31.97	186.27	445.70	436.53	9.17	48.609	
2,300.00	2,258.84	2,182.53	2,169.63	7.46	5.51	174.99	35.21	201.73	495.30	485.66	9.64	51.397	
2,400.00	2,353.15	2,269.36	2,255.02	8.11	5.84	175.03	38.45	217.18	544.91	534.79	10.11	53.893	
2,500.00	2,447.45	2,356.19	2,340.40	8.77	6.16	175.06	41.70	232.64	594.51	583.92	10.59	56.138	
2,600.00	2,541.76	2,443.02	2,425.78	9.44	6.49	175.09	44.94	248.09	644.12	633.04	11.07	58.164	
2,700.00	2,636.06	2,529.85	2,511.16	10.11	6.82	175.11	48.18	263.55	693.72	682.16	11.56	59.999	
2,800.00	2,730.37	2,616.68	2,596.54	10.79	7.15	175.14	51.42	279.00	743.33	731.27	12.05	61.668	
2,900.00	2,824.68	2,703.51	2,681.92	11.47	7.49	175.16	54.67	294.45	792.93	780.38	12.55	63.189	
3,000.00	2,918.98	2,790.34	2,767.30	12.15	7.83	175.17	57.91	309.91	842.54	829.49	13.05	64.581	
3,100.00	3,013.29	2,877.16	2,852.68	12.84	8.16	175.19	61.15	325.36	892.14	878.59	13.55	65.858	
3,200.00	3,107.60	2,963.99	2,938.06	13.53	8.50	175.20	64.39	340.82	941.75	927.70	14.05	67.033	
3,300.00	3,201.90	3,050.82	3,023.44	14.22	8.85	175.21	67.64	356.27	991.35	976.80	14.55	68.118	
3,400.00	3,296.21	3,137.65	3,108.83	14.91	9.19	175.22	70.88	371.73	1,040.96	1,025.90	15.06	69.122	
3,500.00	3,390.52	3,224.48	3,194.21	15.60	9.53	175.23	74.12	387.18	1,090.56	1,074.99	15.57	70.053	
3,600.00	3,484.82	3,311.31	3,279.59	16.29	9.88	175.24	77.36	402.63	1,140.17	1,124.09	16.08	70.918	
3,700.00	3,579.13	3,398.14	3,364.97	16.99	10.22	175.25	80.60	418.09	1,189.77	1,173.19	16.59	71.724	
3,800.00	3,673.44	3,484.97	3,450.35	17.68	10.57	175.26	83.85	433.54	1,239.38	1,222.28	17.10	72.477	
3,900.00	3,767.74	3,571.80	3,535.73	18.38	10.91	175.26	87.09	449.00	1,288.98	1,271.37	17.61	73.180	
4,000.00	3,862.05	3,658.63	3,621.11	19.08	11.26	175.27	90.33	464.45	1,338.59	1,320.46	18.13	73.839	
4,019.18	3,880.14	3,675.28	3,637.49	19.21	11.32	175.27	90.95	467.42	1,348.11	1,329.88	18.23	73.961	
4,100.00	3,956.72	3,746.01	3,707.04	19.70	11.61	175.34	93.59	480.00	1,387.20	1,368.47	18.73	74.054	
4,200.00	4,052.45	3,835.00	3,794.55	20.18	11.96	175.42	96.92	495.84	1,432.81	1,413.48	19.32	74.152	
4,300.00	4,149.12	3,939.28	3,897.13	20.62	12.34	175.47	100.76	514.16	1,475.10	1,455.19	19.90	74.107	
4,400.00	4,246.62	4,064.25	4,020.45	21.01	12.71	175.50	104.91	533.95	1,512.54	1,492.07	20.48	73.867	
4,500.00	4,344.84	4,192.92	4,147.85	21.34	13.06	175.53	108.61	551.58	1,544.68	1,523.65	21.02	73.474	
4,600.00	4,443.66	4,324.80	4,278.81	21.63	13.40	175.55	111.79	566.73	1,571.33	1,549.79	21.54	72.943	
4,700.00	4,542.95	4,459.32	4,412.74	21.87	13.71	175.56	114.39	579.14	1,592.37	1,570.35	22.03	72.287	
4,800.00	4,642.59	4,595.89	4,548.97	22.07	14.00	175.56	116.38	588.60	1,607.69	1,585.21	22.48	71.516	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 1A-28D-12-15 - PR PR UF 1A-28D-12-15 - Design #1

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Survey Program: 0-MWD

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,742.46	4,733.88	4,686.80	22.21	14.25	175.57	117.70	594.92	1,617.21	1,594.31	22.89	70.644	
4,990.55	4,833.00	4,859.50	4,812.38	22.31	14.45	86.24	118.32	597.84	1,620.77	1,597.67	23.10	70.177	
5,000.00	4,842.45	4,872.63	4,825.51	22.32	14.47	86.24	118.35	597.99	1,620.88	1,597.74	23.14	70.061	
5,100.00	4,942.45	4,989.57	4,942.45	22.42	14.64	86.24	118.41	598.31	1,621.10	1,597.58	23.52	68.910	
5,200.00	5,042.45	5,089.57	5,042.45	22.53	14.79	86.24	118.41	598.31	1,621.10	1,597.20	23.90	67.835	
5,300.00	5,142.45	5,189.57	5,142.45	22.63	14.95	86.24	118.41	598.31	1,621.10	1,596.83	24.27	66.783	
5,400.00	5,242.45	5,289.57	5,242.45	22.74	15.11	86.24	118.41	598.31	1,621.10	1,596.45	24.65	65.757	
5,500.00	5,342.45	5,389.57	5,342.45	22.85	15.27	86.24	118.41	598.31	1,621.10	1,596.07	25.03	64.756	
5,600.00	5,442.45	5,489.57	5,442.45	22.96	15.44	86.24	118.41	598.31	1,621.10	1,595.69	25.42	63.780	
5,700.00	5,542.45	5,589.57	5,542.45	23.07	15.60	86.24	118.41	598.31	1,621.10	1,595.30	25.80	62.827	
5,800.00	5,642.45	5,689.57	5,642.45	23.19	15.77	86.24	118.41	598.31	1,621.10	1,594.91	26.19	61.898	
5,900.00	5,742.45	5,789.57	5,742.45	23.30	15.94	86.24	118.41	598.31	1,621.10	1,594.52	26.58	60.992	
6,000.00	5,842.45	5,889.57	5,842.45	23.42	16.10	86.24	118.41	598.31	1,621.10	1,594.13	26.97	60.108	
6,100.00	5,942.45	5,989.57	5,942.45	23.54	16.27	86.24	118.41	598.31	1,621.10	1,593.74	27.36	59.245	
6,200.00	6,042.45	6,089.57	6,042.45	23.66	16.45	86.24	118.41	598.31	1,621.10	1,593.35	27.76	58.403	
6,300.00	6,142.45	6,189.57	6,142.45	23.78	16.62	86.24	118.41	598.31	1,621.10	1,592.95	28.15	57.581	
6,400.00	6,242.45	6,289.57	6,242.45	23.90	16.79	86.24	118.41	598.31	1,621.10	1,592.55	28.55	56.779	
6,500.00	6,342.45	6,389.57	6,342.45	24.03	16.97	86.24	118.41	598.31	1,621.10	1,592.15	28.95	55.997	
6,600.00	6,442.45	6,489.57	6,442.45	24.16	17.15	86.24	118.41	598.31	1,621.10	1,591.75	29.35	55.233	
6,700.00	6,542.45	6,589.57	6,542.45	24.28	17.32	86.24	118.41	598.31	1,621.10	1,591.35	29.75	54.486	
6,800.00	6,642.45	6,689.57	6,642.45	24.41	17.50	86.24	118.41	598.31	1,621.10	1,590.95	30.16	53.758	
6,900.00	6,742.45	6,789.57	6,742.45	24.54	17.68	86.24	118.41	598.31	1,621.10	1,590.54	30.56	53.046	
7,000.00	6,842.45	6,889.57	6,842.45	24.68	17.86	86.24	118.41	598.31	1,621.10	1,590.14	30.97	52.351	
7,100.00	6,942.45	6,989.57	6,942.45	24.81	18.04	86.24	118.41	598.31	1,621.10	1,589.73	31.37	51.673	
7,200.00	7,042.45	7,089.57	7,042.45	24.94	18.23	86.24	118.41	598.31	1,621.10	1,589.32	31.78	51.009	
7,300.00	7,142.45	7,189.57	7,142.45	25.08	18.41	86.24	118.41	598.31	1,621.10	1,588.91	32.19	50.361	
7,400.00	7,242.45	7,289.57	7,242.45	25.22	18.59	86.24	118.41	598.31	1,621.10	1,588.50	32.60	49.727	
7,436.38	7,278.83	7,325.95	7,278.83	25.27	18.66	86.24	118.41	598.31	1,621.10	1,588.35	32.75	49.500	
7,470.55	7,313.00	7,338.12	7,291.00	25.31	18.68	86.24	118.41	598.31	1,621.25	1,588.41	32.84	49.364	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 5A-27D-12-15 - PR PR UF 5A-27D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.40	2.04	32.02	32.09				
100.00	100.00	100.00	100.00	0.09	0.09	86.40	2.04	32.02	32.09	31.90	0.19	172.000	
200.00	200.00	200.00	200.00	0.32	0.32	86.40	2.04	32.02	32.09	31.45	0.64	50.445	
300.00	300.00	300.00	300.00	0.54	0.54	86.40	2.04	32.02	32.09	31.00	1.09	29.557	
400.00	400.00	400.00	400.00	0.77	0.77	86.40	2.04	32.02	32.09	30.55	1.54	20.902	
500.00	500.00	500.00	500.00	0.99	0.99	86.40	2.04	32.02	32.09	30.10	1.98	16.168	
600.00	600.00	600.00	600.00	1.22	1.22	86.40	2.04	32.02	32.09	29.65	2.43	13.182	
700.00	700.00	700.00	700.00	1.44	1.44	86.40	2.04	32.02	32.09	29.20	2.88	11.127	
800.00	800.00	800.00	800.00	1.67	1.67	86.40	2.04	32.02	32.09	28.75	3.33	9.626	
900.00	900.00	900.00	900.00	1.89	1.89	86.40	2.04	32.02	32.09	28.30	3.78	8.482	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	86.40	2.04	32.02	32.09	27.86	4.23	7.582	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	86.40	2.04	32.02	32.09	27.59	4.50	7.127	CC, ES
1,100.00	1,100.00	1,099.47	1,099.47	2.34	2.33	175.98	1.93	32.35	32.76	28.09	4.67	7.018	SF
1,200.00	1,199.91	1,197.71	1,197.62	2.54	2.52	178.33	0.76	35.96	40.30	35.25	5.06	7.970	
1,300.00	1,299.56	1,294.45	1,294.04	2.75	2.72	-178.80	-1.65	43.42	56.28	50.82	5.46	10.316	
1,400.00	1,398.75	1,388.70	1,387.57	2.99	2.94	-176.60	-5.21	54.41	80.56	74.70	5.86	13.757	
1,500.00	1,497.30	1,479.58	1,477.24	3.27	3.18	-175.11	-9.76	68.46	112.84	106.59	6.25	18.050	
1,600.00	1,595.02	1,566.33	1,562.22	3.59	3.45	-174.10	-15.12	85.02	152.75	146.11	6.64	23.002	
1,700.00	1,691.71	1,648.35	1,641.91	3.98	3.74	-173.38	-21.09	103.48	199.84	192.82	7.02	28.466	
1,800.00	1,787.21	1,725.18	1,715.88	4.45	4.06	-172.83	-27.48	123.22	253.61	246.22	7.39	34.324	
1,837.10	1,822.29	1,752.30	1,741.82	4.64	4.18	-172.65	-29.92	130.75	275.15	267.63	7.52	36.576	
1,900.00	1,881.61	1,800.00	1,787.21	4.99	4.41	-172.49	-34.43	144.70	312.90	305.10	7.80	40.133	
2,000.00	1,975.92	1,865.43	1,848.95	5.58	4.77	-172.27	-41.10	165.29	374.79	366.57	8.22	45.592	
2,100.00	2,070.23	1,930.73	1,909.93	6.19	5.16	-172.04	-48.29	187.51	438.93	430.27	8.65	50.727	
2,200.00	2,164.53	2,000.00	1,973.87	6.82	5.61	-171.81	-56.50	212.87	505.21	496.10	9.11	55.457	
2,300.00	2,258.84	2,052.40	2,021.68	7.46	6.01	-171.63	-63.10	233.27	573.31	563.78	9.54	60.114	
2,400.00	2,353.15	2,100.00	2,064.67	8.11	6.37	-171.47	-69.39	252.70	643.37	633.42	9.95	64.647	
2,500.00	2,447.45	2,162.97	2,120.88	8.77	6.91	-171.27	-78.13	279.70	714.94	704.53	10.42	68.631	
2,600.00	2,541.76	2,214.40	2,166.20	9.44	7.37	-171.10	-85.62	302.83	788.17	777.32	10.85	72.611	
2,700.00	2,636.06	2,263.44	2,208.89	10.11	7.84	-170.95	-93.05	325.79	862.86	851.56	11.29	76.399	
2,800.00	2,730.37	2,317.84	2,255.71	10.79	8.38	-170.79	-101.58	352.14	938.79	927.04	11.75	79.868	
2,900.00	2,824.68	2,382.60	2,311.35	11.47	9.05	-170.62	-111.78	383.67	1,014.97	1,002.74	12.23	83.018	
3,000.00	2,918.98	2,447.36	2,366.99	12.15	9.73	-170.47	-121.99	415.20	1,091.14	1,078.44	12.70	85.893	
3,100.00	3,013.29	2,512.13	2,422.63	12.84	10.42	-170.34	-132.20	446.74	1,167.32	1,154.14	13.18	88.542	
3,200.00	3,107.60	2,576.89	2,478.27	13.53	11.11	-170.23	-142.41	478.27	1,243.50	1,229.83	13.67	90.961	
3,300.00	3,201.90	2,641.65	2,533.91	14.22	11.81	-170.13	-152.61	509.81	1,319.68	1,305.52	14.16	93.189	
3,400.00	3,296.21	2,706.42	2,589.55	14.91	12.51	-170.04	-162.82	541.34	1,395.86	1,381.21	14.65	95.255	
3,500.00	3,390.52	2,771.18	2,645.19	15.60	13.22	-169.96	-173.03	572.87	1,472.05	1,456.90	15.15	97.151	
3,600.00	3,484.82	2,835.94	2,700.82	16.29	13.93	-169.89	-183.23	604.41	1,548.23	1,532.58	15.65	98.912	
3,700.00	3,579.13	2,900.71	2,756.46	16.99	14.65	-169.83	-193.44	635.94	1,624.42	1,608.27	16.15	100.553	
3,800.00	3,673.44	2,965.47	2,812.10	17.68	15.37	-169.77	-203.65	667.48	1,700.61	1,683.95	16.66	102.067	
3,900.00	3,767.74	3,030.23	2,867.74	18.38	16.08	-169.71	-213.85	699.01	1,776.80	1,759.63	17.17	103.484	
4,000.00	3,862.05	3,095.00	2,923.38	19.08	16.81	-169.66	-224.06	730.54	1,852.98	1,835.30	17.68	104.809	
4,019.18	3,880.14	3,107.42	2,934.05	19.21	16.94	-169.65	-226.02	736.59	1,867.60	1,849.82	17.78	105.052	
4,100.00	3,956.72	3,160.60	2,979.74	19.70	17.54	-169.94	-234.40	762.49	1,928.44	1,910.13	18.31	105.347	
4,200.00	4,052.45	3,228.70	3,038.25	20.18	18.30	-170.23	-245.14	795.65	2,001.64	1,982.71	18.93	105.731	
4,300.00	4,149.12	3,299.26	3,098.87	20.62	19.09	-170.47	-256.26	830.01	2,072.45	2,052.90	19.55	106.000	
4,400.00	4,246.62	3,372.19	3,161.52	21.01	19.91	-170.67	-267.75	865.52	2,140.80	2,120.63	20.16	106.168	
4,500.00	4,344.84	3,447.41	3,226.14	21.34	20.75	-170.83	-279.60	902.14	2,206.60	2,185.83	20.77	106.258	
4,600.00	4,443.66	3,524.82	3,292.64	21.63	21.62	-170.95	-291.80	939.83	2,269.77	2,248.41	21.36	106.282	
4,700.00	4,542.95	3,604.32	3,360.95	21.87	22.52	-171.04	-304.33	978.54	2,330.24	2,308.31	21.93	106.251	
4,800.00	4,642.59	3,685.83	3,430.97	22.07	23.44	-171.11	-317.18	1,018.23	2,387.94	2,365.45	22.49	106.173	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 5A-27D-12-15 - PR PR UF 5A-27D-12-15 - Design #1

Offset Site Error: 0.00 ft
Survey Program: 0-MWD
Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,742.46	3,769.23	3,502.63	22.21	24.38	-171.15	-330.33	1,058.84	2,442.80	2,419.77	23.03	106.057	
4,990.55	4,833.00	3,846.31	3,568.85	22.31	25.25	99.52	-342.47	1,096.37	2,489.97	2,466.46	23.51	105.913	
5,000.00	4,842.45	3,854.43	3,575.82	22.32	25.34	99.53	-343.75	1,100.32	2,494.77	2,471.22	23.56	105.912	
5,100.00	4,942.45	3,940.34	3,649.63	22.42	26.32	99.70	-357.29	1,142.16	2,545.55	2,521.51	24.04	105.874	
5,200.00	5,042.45	4,026.25	3,723.44	22.53	27.29	99.86	-370.83	1,183.99	2,596.35	2,571.81	24.53	105.832	
5,300.00	5,142.45	4,112.17	3,797.24	22.63	28.26	100.02	-384.37	1,225.82	2,647.16	2,622.13	25.02	105.786	
5,400.00	5,242.45	4,198.08	3,871.05	22.74	29.24	100.17	-397.91	1,267.65	2,697.98	2,672.46	25.52	105.738	
5,500.00	5,342.45	4,283.99	3,944.86	22.85	30.21	100.31	-411.45	1,309.48	2,748.82	2,722.81	26.01	105.687	
5,600.00	5,442.45	4,369.90	4,018.67	22.96	31.19	100.45	-424.99	1,351.31	2,799.67	2,773.16	26.50	105.633	
5,700.00	5,542.45	4,455.81	4,092.47	23.07	32.16	100.58	-438.53	1,393.14	2,850.53	2,823.53	27.00	105.578	
5,800.00	5,642.45	4,541.72	4,166.28	23.19	33.14	100.71	-452.07	1,434.98	2,901.40	2,873.90	27.50	105.521	
5,900.00	5,742.45	4,627.63	4,240.09	23.30	34.11	100.84	-465.61	1,476.81	2,952.28	2,924.29	27.99	105.462	
6,000.00	5,842.45	4,713.54	4,313.90	23.42	35.09	100.96	-479.15	1,518.64	3,003.18	2,974.68	28.49	105.402	
6,100.00	5,942.45	4,799.46	4,387.70	23.54	36.07	101.07	-492.69	1,560.47	3,054.08	3,025.09	28.99	105.340	
6,200.00	6,042.45	4,885.37	4,461.51	23.66	37.04	101.19	-506.23	1,602.30	3,104.99	3,075.50	29.49	105.277	
6,300.00	6,142.45	4,971.28	4,535.32	23.78	38.02	101.29	-519.77	1,644.13	3,155.91	3,125.92	30.00	105.213	
6,400.00	6,242.45	6,772.01	6,242.45	23.90	47.01	102.24	-658.61	2,073.04	3,164.27	3,132.45	31.82	99.453	
6,500.00	6,342.45	6,872.01	6,342.45	24.03	47.08	102.24	-658.61	2,073.04	3,164.27	3,132.12	32.16	98.406	
6,600.00	6,442.45	6,972.01	6,442.45	24.16	47.14	102.24	-658.61	2,073.04	3,164.27	3,131.77	32.50	97.372	
6,700.00	6,542.45	7,072.01	6,542.45	24.28	47.20	102.24	-658.61	2,073.04	3,164.27	3,131.43	32.84	96.352	
6,800.00	6,642.45	7,172.01	6,642.45	24.41	47.27	102.24	-658.61	2,073.04	3,164.27	3,131.08	33.19	95.346	
6,900.00	6,742.45	7,272.01	6,742.45	24.54	47.34	102.24	-658.61	2,073.04	3,164.27	3,130.73	33.54	94.354	
7,000.00	6,842.45	7,372.01	6,842.45	24.68	47.40	102.24	-658.61	2,073.04	3,164.27	3,130.38	33.89	93.377	
7,100.00	6,942.45	7,472.01	6,942.45	24.81	47.47	102.24	-658.61	2,073.04	3,164.27	3,130.03	34.24	92.413	
7,200.00	7,042.45	7,572.01	7,042.45	24.94	47.54	102.24	-658.61	2,073.04	3,164.27	3,129.67	34.60	91.463	
7,300.00	7,142.45	7,672.01	7,142.45	25.08	47.61	102.24	-658.61	2,073.04	3,164.27	3,129.32	34.95	90.527	
7,400.00	7,242.45	7,772.01	7,242.45	25.22	47.68	102.24	-658.61	2,073.04	3,164.27	3,128.96	35.31	89.604	
7,470.55	7,313.00	7,842.56	7,313.00	25.31	47.73	102.24	-658.61	2,073.04	3,164.27	3,128.70	35.57	88.962	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15 — **Offset Site Error:** 0.00 ft

Survey Program: 1561-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	126.95	-160.19	212.96	266.68				
100.00	100.00	90.02	90.02	0.09	0.10	126.96	-160.20	212.95	266.49	266.30	0.19	1,377.166	
200.00	200.00	190.04	190.04	0.32	0.21	126.97	-160.22	212.92	266.48	265.95	0.53	503.139	
300.00	300.00	290.05	290.05	0.54	0.32	126.98	-160.26	212.87	266.47	265.60	0.87	307.778	
400.00	400.00	390.07	390.07	0.77	0.44	127.00	-160.32	212.79	266.44	265.24	1.20	221.683	
500.00	500.00	490.09	490.09	0.99	0.55	127.02	-160.40	212.70	266.41	264.87	1.54	173.215	
600.00	600.00	590.11	590.11	1.22	0.66	127.06	-160.49	212.58	266.37	264.50	1.87	142.128	
700.00	700.00	690.13	690.13	1.44	0.77	127.09	-160.60	212.44	266.33	264.12	2.21	120.494	
800.00	800.00	790.15	790.15	1.67	0.88	127.14	-160.73	212.28	266.28	263.73	2.55	104.568	
900.00	900.00	890.17	890.17	1.89	0.99	127.19	-160.88	212.09	266.22	263.34	2.88	92.354	
1,000.00	1,000.00	990.18	990.18	2.12	1.10	127.24	-161.04	211.89	266.15	262.93	3.22	82.689	
1,060.00	1,060.00	1,050.20	1,050.19	2.25	1.17	127.28	-161.15	211.75	266.11	262.69	3.42	77.801	
1,062.08	1,062.08	1,052.28	1,052.28	2.26	1.17	-143.41	-161.15	211.75	266.11	262.68	3.43	77.610	CC, ES
1,100.00	1,100.00	1,090.20	1,090.20	2.34	1.22	-143.42	-161.22	211.66	266.36	262.81	3.55	75.012	
1,200.00	1,199.91	1,190.14	1,190.14	2.54	1.33	-143.81	-161.42	211.41	269.44	265.58	3.86	69.773	
1,300.00	1,299.56	1,289.83	1,289.83	2.75	1.44	-144.66	-161.63	211.14	276.08	271.90	4.18	66.108	
1,400.00	1,398.75	1,389.09	1,389.08	2.99	1.55	-145.90	-161.86	210.85	286.37	281.88	4.49	63.742	
1,500.00	1,497.30	1,487.71	1,487.71	3.27	1.66	-147.44	-162.11	210.54	300.46	295.65	4.81	62.476	
1,600.00	1,595.02	1,584.22	1,584.22	3.59	1.79	-149.13	-162.46	210.21	318.54	313.32	5.21	61.110	
1,700.00	1,691.71	1,677.05	1,677.01	3.98	2.00	-150.52	-165.05	209.77	341.69	336.01	5.68	60.179	
1,800.00	1,787.21	1,771.52	1,771.25	4.45	2.22	-151.41	-171.12	207.88	369.16	363.02	6.14	60.082	
1,837.10	1,822.29	1,803.77	1,803.36	4.64	2.30	-151.60	-174.03	207.06	380.60	374.26	6.34	60.057	
1,900.00	1,881.61	1,857.28	1,856.53	4.99	2.43	-152.02	-179.86	205.85	401.08	394.39	6.68	60.005	SF
2,000.00	1,975.92	1,941.00	1,939.43	5.58	2.65	-152.35	-191.49	205.11	436.06	428.80	7.26	60.101	
2,100.00	2,070.23	2,019.59	2,016.84	6.19	2.87	-152.38	-205.05	205.52	473.61	465.77	7.84	60.433	
2,200.00	2,164.53	2,102.85	2,098.40	6.82	3.15	-152.17	-221.78	206.52	513.00	504.53	8.47	60.574	
2,300.00	2,258.84	2,183.83	2,177.25	7.46	3.45	-151.80	-240.13	207.99	554.01	544.87	9.13	60.668	
2,400.00	2,353.15	2,260.07	2,250.86	8.11	3.77	-151.28	-259.87	209.85	596.95	587.12	9.82	60.781	
2,500.00	2,447.45	2,331.54	2,319.12	8.77	4.11	-150.65	-280.90	212.41	642.39	631.86	10.53	60.985	
2,600.00	2,541.76	2,401.49	2,385.08	9.44	4.49	-149.92	-303.95	215.63	690.31	679.02	11.29	61.168	
2,700.00	2,636.06	2,465.95	2,445.01	10.11	4.88	-149.16	-327.40	219.26	740.75	728.69	12.05	61.453	
2,800.00	2,730.37	2,527.84	2,501.66	10.79	5.29	-148.38	-351.93	223.64	793.90	781.07	12.83	61.862	
2,900.00	2,824.68	2,589.81	2,557.61	11.47	5.74	-147.58	-378.03	228.85	849.43	835.79	13.64	62.260	
3,000.00	2,918.98	2,650.61	2,611.89	12.15	6.20	-146.83	-404.77	234.86	907.09	892.64	14.45	62.764	
3,100.00	3,013.29	2,712.11	2,666.37	12.84	6.67	-146.15	-432.37	242.11	966.66	951.40	15.26	63.342	
3,200.00	3,107.60	2,784.98	2,730.89	13.53	7.20	-145.48	-464.79	251.85	1,027.28	1,011.18	16.10	63.816	
3,300.00	3,201.90	2,863.50	2,800.56	14.22	7.77	-144.88	-499.26	263.02	1,088.26	1,071.31	16.95	64.213	
3,400.00	3,296.21	2,938.50	2,867.02	14.91	8.36	-144.36	-532.37	273.60	1,149.36	1,131.56	17.81	64.551	
3,500.00	3,390.52	3,009.38	2,929.67	15.60	8.95	-143.90	-563.89	283.84	1,210.93	1,192.27	18.66	64.898	
3,600.00	3,484.82	3,080.00	2,991.68	16.29	9.57	-143.45	-596.08	294.08	1,273.15	1,253.62	19.53	65.192	
3,700.00	3,579.13	3,149.29	3,052.14	16.99	10.20	-143.00	-628.45	304.01	1,335.90	1,315.49	20.41	65.454	
3,800.00	3,673.44	3,211.82	3,106.42	17.68	10.77	-142.60	-658.17	312.95	1,399.17	1,377.91	21.26	65.826	
3,900.00	3,767.74	3,270.00	3,156.61	18.38	11.31	-142.26	-686.18	321.95	1,463.53	1,441.45	22.08	66.289	
4,000.00	3,862.05	3,321.06	3,200.47	19.08	11.78	-141.99	-710.84	330.64	1,529.02	1,506.17	22.85	66.923	
4,019.18	3,880.14	3,331.17	3,209.14	19.21	11.88	-141.95	-715.70	332.47	1,541.71	1,518.71	23.00	67.041	
4,100.00	3,956.72	3,382.52	3,253.15	19.70	12.34	-142.57	-740.26	342.32	1,594.91	1,571.26	23.64	67.457	
4,200.00	4,052.45	3,507.71	3,361.94	20.18	13.36	-143.04	-797.03	367.06	1,658.03	1,633.42	24.61	67.367	
4,300.00	4,149.12	3,695.14	3,528.67	20.62	14.80	-143.05	-876.98	397.36	1,714.83	1,688.97	25.86	66.308	
4,400.00	4,246.62	3,792.60	3,615.83	21.01	15.59	-143.18	-919.26	408.12	1,766.27	1,739.51	26.76	66.009	
4,500.00	4,344.84	3,858.47	3,674.25	21.34	16.15	-143.39	-948.97	414.73	1,815.85	1,788.36	27.48	66.067	
4,600.00	4,443.66	3,910.49	3,719.90	21.63	16.62	-143.62	-973.27	420.24	1,864.51	1,836.40	28.11	66.322	
4,700.00	4,542.95	3,963.85	3,766.29	21.87	17.12	-143.80	-998.93	426.40	1,912.45	1,883.74	28.71	66.614	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design SECTION 28 T12S R15E - PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15 - PR PR UF 9-28D-12-15

Survey Program: 1561-MWD

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

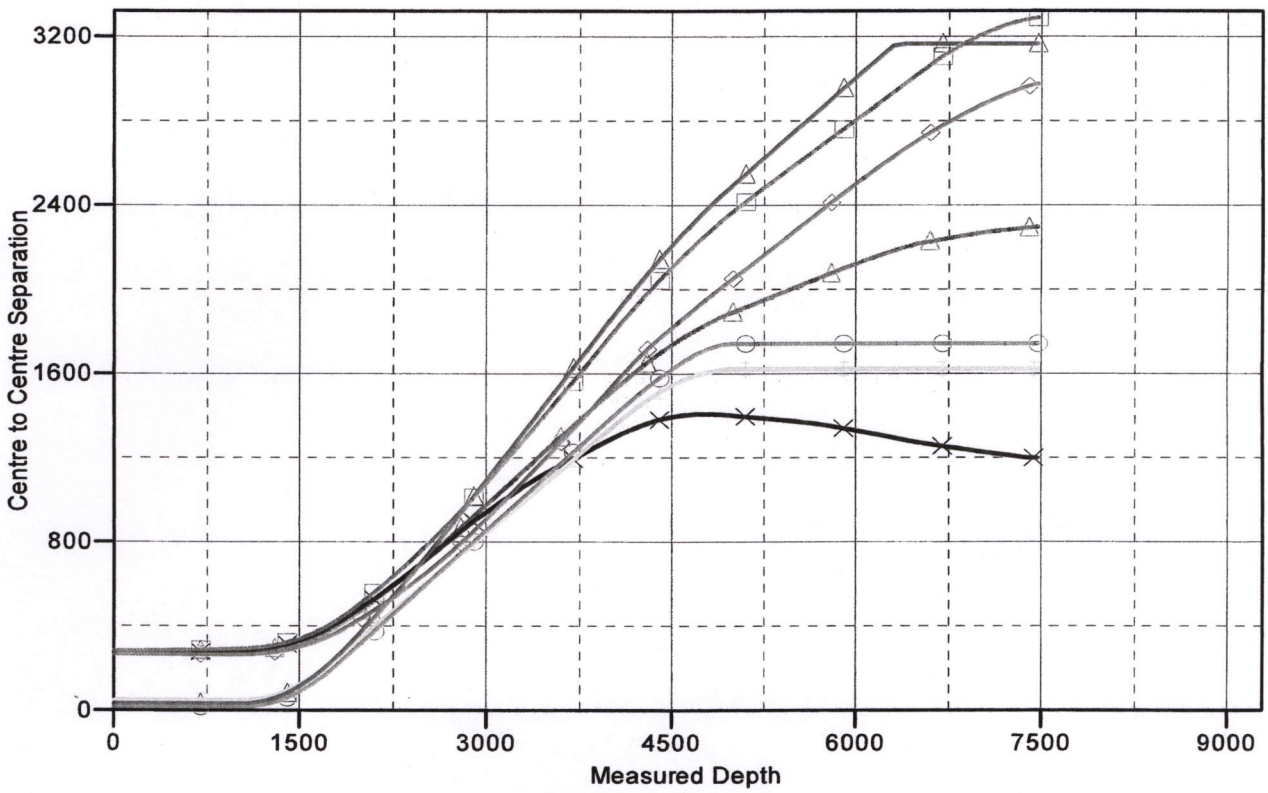
Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,800.00	4,642.59	4,030.00	3,823.47	22.07	17.74	-143.84	-1,030.98	435.22	1,959.58	1,930.23	29.35	66.770	
4,900.00	4,742.46	4,088.95	3,874.24	22.21	18.31	-143.91	-1,059.69	443.79	2,005.46	1,975.57	29.89	67.088	
4,990.55	4,833.00	4,155.86	3,931.71	22.31	18.96	126.87	-1,092.47	453.74	2,045.61	2,015.16	30.44	67.196	
5,000.00	4,842.45	4,162.81	3,937.68	22.32	19.03	126.93	-1,095.89	454.79	2,049.73	2,019.23	30.50	67.205	
5,100.00	4,942.45	4,239.02	4,002.96	22.42	19.78	127.63	-1,133.42	466.50	2,093.80	2,062.68	31.12	67.288	
5,200.00	5,042.45	4,324.89	4,076.37	22.53	20.62	128.40	-1,176.00	479.59	2,138.35	2,106.58	31.77	67.298	
5,300.00	5,142.45	4,410.00	4,149.03	22.63	21.43	129.15	-1,218.47	492.25	2,183.21	2,150.80	32.41	67.359	
5,400.00	5,242.45	4,489.84	4,217.09	22.74	22.22	129.83	-1,258.51	504.05	2,228.50	2,195.47	33.02	67.483	
5,500.00	5,342.45	4,583.49	4,296.89	22.85	23.13	130.61	-1,305.56	517.81	2,274.10	2,240.41	33.69	67.499	
5,600.00	5,442.45	4,664.04	4,365.55	22.96	23.90	131.25	-1,346.05	529.40	2,319.82	2,285.54	34.27	67.684	
5,700.00	5,542.45	4,757.59	4,445.20	23.07	24.80	131.98	-1,393.25	542.80	2,365.91	2,330.99	34.91	67.763	
5,800.00	5,642.45	4,886.09	4,555.38	23.19	25.95	132.92	-1,456.92	560.64	2,411.34	2,375.66	35.68	67.578	
5,900.00	5,742.45	4,981.89	4,638.22	23.30	26.78	133.57	-1,503.20	573.80	2,455.95	2,419.69	36.26	67.724	
6,000.00	5,842.45	5,075.99	4,719.79	23.42	27.61	134.18	-1,548.30	586.71	2,500.48	2,463.64	36.84	67.875	
6,100.00	5,942.45	5,186.20	4,815.58	23.54	28.58	134.86	-1,600.80	601.37	2,544.73	2,507.25	37.48	67.890	
6,200.00	6,042.45	5,352.29	4,961.54	23.66	29.98	135.82	-1,677.21	622.37	2,587.66	2,549.32	38.34	67.489	
6,300.00	6,142.45	5,463.49	5,060.26	23.78	30.90	136.43	-1,726.80	634.97	2,628.74	2,589.79	38.95	67.489	
6,400.00	6,242.45	5,639.31	5,218.05	23.90	32.29	137.30	-1,801.87	654.41	2,668.54	2,628.74	39.79	67.058	
6,500.00	6,342.45	5,767.40	5,334.46	24.03	33.25	137.89	-1,853.81	667.03	2,705.85	2,665.42	40.43	66.927	
6,600.00	6,442.45	5,895.98	5,452.06	24.16	34.19	138.44	-1,904.19	679.89	2,742.43	2,701.38	41.05	66.813	
6,700.00	6,542.45	6,093.98	5,635.40	24.28	35.57	139.20	-1,976.77	697.68	2,776.44	2,734.55	41.89	66.279	
6,800.00	6,642.45	6,216.21	5,749.60	24.41	36.38	139.65	-2,019.38	706.73	2,808.18	2,765.72	42.46	66.138	
6,900.00	6,742.45	6,349.67	5,874.67	24.54	37.24	140.13	-2,065.07	715.77	2,839.24	2,796.18	43.06	65.939	
7,000.00	6,842.45	6,492.99	6,009.95	24.68	38.13	140.61	-2,111.56	724.57	2,868.42	2,824.74	43.68	65.675	
7,100.00	6,942.45	6,668.87	6,177.38	24.81	39.13	141.15	-2,164.54	734.08	2,895.27	2,850.90	44.37	65.257	
7,200.00	7,042.45	6,798.08	6,301.19	24.94	39.82	141.50	-2,200.82	741.20	2,920.87	2,875.98	44.89	65.065	
7,300.00	7,142.45	7,024.50	6,519.93	25.08	40.94	142.03	-2,258.08	752.57	2,944.29	2,898.63	45.66	64.485	
7,400.00	7,242.45	7,232.10	6,722.94	25.22	41.73	142.39	-2,300.39	762.00	2,963.21	2,916.93	46.28	64.029	
7,470.55	7,313.00	7,372.50	6,861.13	25.31	42.16	142.60	-2,324.58	767.34	2,974.52	2,927.86	46.66	63.745	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 7522.00ft
Offset Depths are relative to Offset Datum
Central Meridian is 111° 30' 0.0000 W °

Coordinates are relative to: PR PR UF 2-28D-12-15
Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302
Grid Convergence at Surface is: 0.81°

Ladder Plot



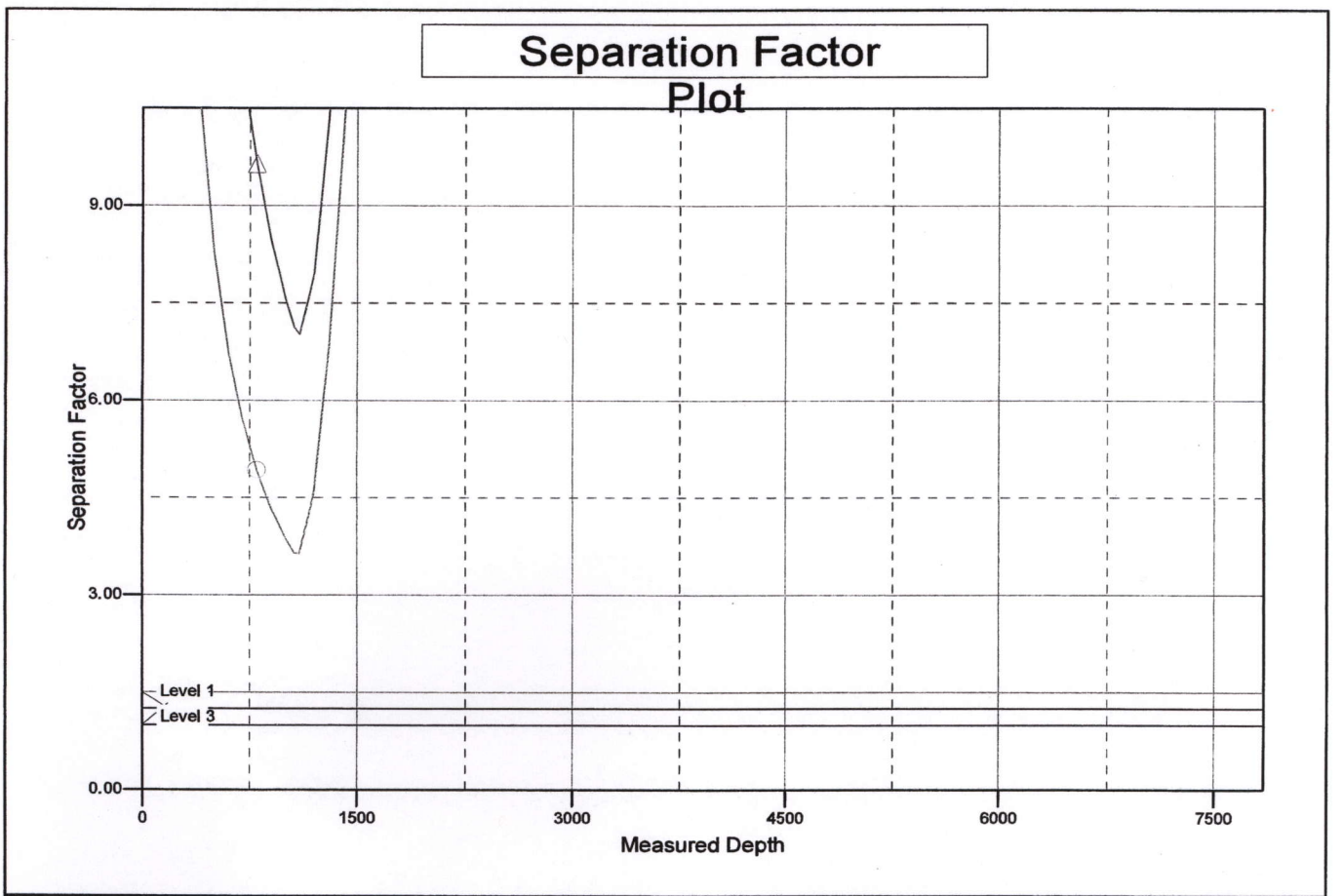
LEGEND

12-15, PR PR 8-28D-12-15 V0
12-15, PR PR 1-28D-12-15 V0
A-28D-12-15, Design #1 V0
PR PR UF 5A-27D-12-15, PR PR UF 5A-27D-12-15, Design #1 V0
PR PR 5-27D-12-15, PR PR 5-27D-12-15, PR PR 5-27D-12-15 V0
PR PR UF 16X-21D-12-15, PR PR UF 16X-21D-12-15, Design #1 V0
PR PR UF 9-28D-12-15, PR I

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR UF 2-28D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	KB @ 7522.00ft
Reference Site:	SECTION 28 T12S R15E	**MD Reference:**	KB @ 7522.00ft
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR UF 2-28D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR UF 2-28D-12-15	**Database:**	Compass
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 7522.00ft
Offset Depths are relative to Offset Datum
Central Meridian is 111° 30' 0.0000 W °

Coordinates are relative to: PR PR UF 2-28D-12-15
Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302
Grid Convergence at Surface is: 0.81°



LEGEND

12-15, PR PR 8-28D-12-15 V0
12-15, PR PR 1-28D-12-15 V0
A-28D-12-15, Design #1 V0
PR PR UF 5A-27D-12-15, PR PR UF 5A-27D-12-15, Design #1 V0
PR PR 5-27D-12-15, PR PR 5-27D-12-15, PR PR 5-27D-12-15 V0
PR PR UF 16X-21D-12-15, PR PR UF 16X-21D-12-15, Design #1 V0
PR PR UF 9-28D-12-15, PR I

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. **Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

B. **Pressure Rating:** 3,000 psi

C. **Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirmentsof the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. ~~Choke Manifold~~ Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2.*

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

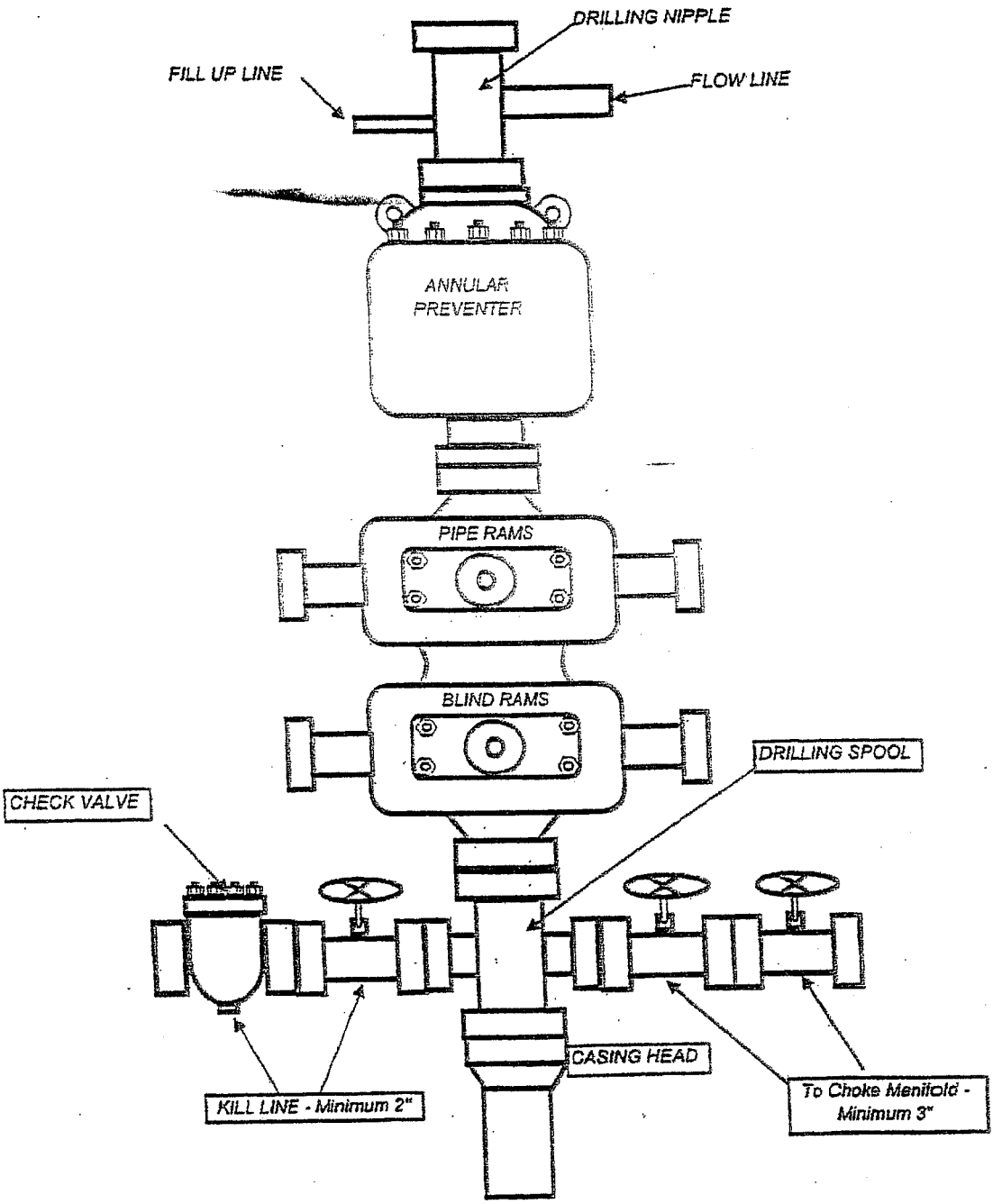
F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2.* The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

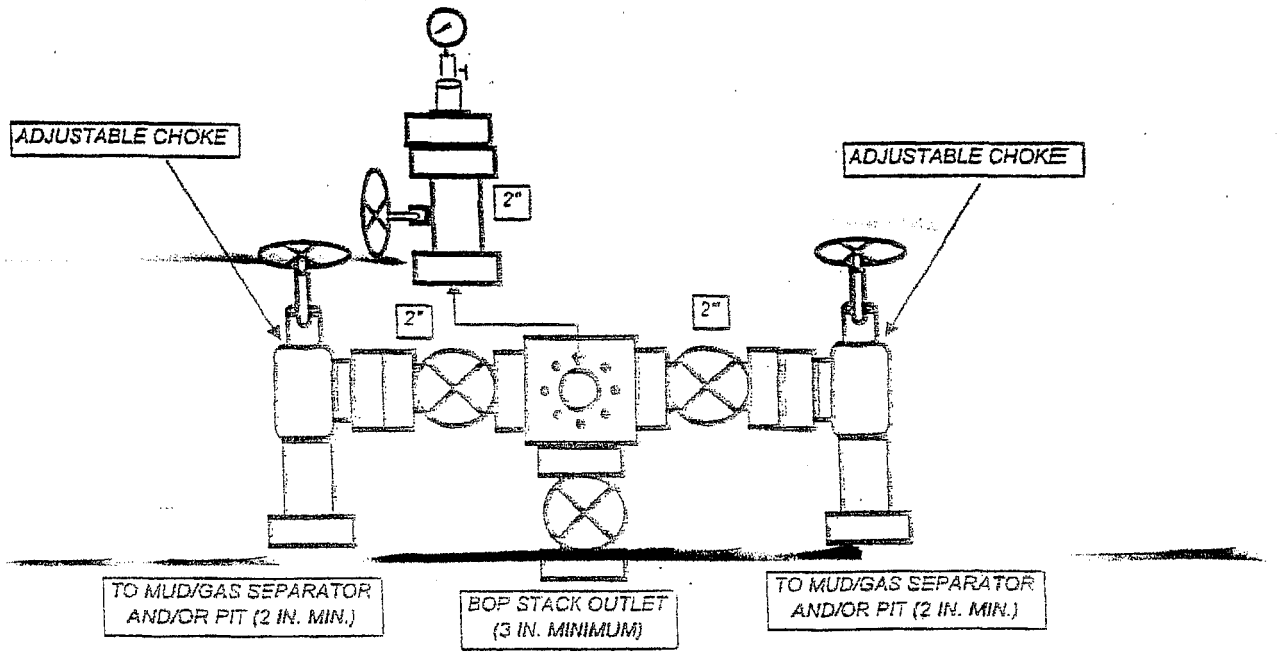
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD

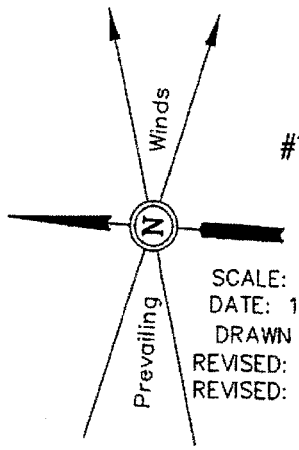


BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15,
#16X-21D-12-15, #5A-27D-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.

FIGURE #1



SCALE: 1" = 60'
DATE: 11-28-07
DRAWN BY: C.G.
REVISED: 12-04-07
REVISED: 02-21-08

F-5.4' NW 1/4 NE 1/4
El. 499.9'

F-8.4'
El. 496.9'

Sta. 4+72

Existing #5-27D
Existing #8-28D
Existing #1-28D
Existing #9-28D

Approx. Toe of Fill Slope

Round Corners as Needed

DATA

N80°17'30"E 761.30' (to Bottom Hole)

F-8.2'
El. 497.1'

Edge of Disturbance Area

S72°00'31"E 2145.51' (to Bottom Hole)

Existing Reserve Pit

Existing Reserve Pit Backfill & Spoils Stockpile

240'

N32°40'43"E 937.73' (to Bottom Hole)

C-9.4'
El. 514.7'

F-2.5'
El. 502.8'

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

100'

CATWALK

PIPE RACKS

Flare Pit

75'

El. 508.5'
C-3.2'

C-9.4'
El. 514.7'

C-9.6'
El. 514.9'

C-1.5'
El. 506.8'

El. 506.8'
C-9.5'
(Btm. Pit)

100'

16'

42'

47'

DOG HOUSE

125'

Sta. 2+00

C-1.9'
El. 507.2'

C-5.7'
El. 511.0'

RESERVE PIT
8' DEEP

C-5.5'
El. 510.8'

RIG

WATER

TRAILER

PUMP

MUD SHED

TOILET

Edge of Disturbance Area

MUD TANKS

HOPPER

POWER

TOOLS

FUEL

Sta. 1+00

N89°16'16"W 1019.97' (to Bottom Hole)

Topsoil Stockpile

10' WIDE BENCH

200'

1 1/2:1 Slope

Total Pit Capacity W/2' of Freeboard = 16,830 Bbls.± Total Pit Volume = 4,920 Cu. Yds

Approx. Top of Cut Slope

El. 515.7'
C-18.4'
(Btm. Pit)

C-10.0'
El. 515.3'

STORAGE TANK

C-7.4'
El. 512.7'

TRASH

Reserve Pit Backfill & Spoils Stockpile

Sta. 0+00

C-10.9'
El. 516.2'

F-1.5'
El. 503.8'

Elev. Ungraded Ground At #2-28D Loc. Stake = 7507.2'

FINISHED GRADE ELEV. AT #2-28D LOC. STAKE = 7505.3'

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

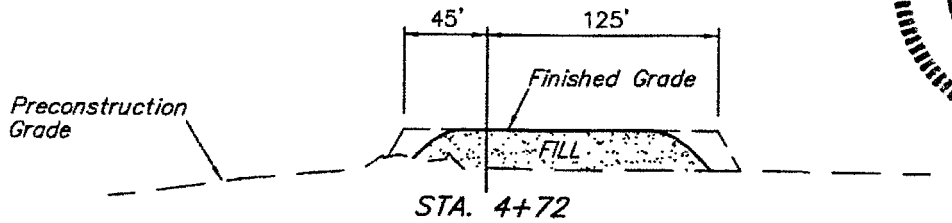
PRICKLY PEAR UNIT FEDERAL #2-28D-12-15,
#16X-21D-12-15, #5A-27D-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

FIGURE #2

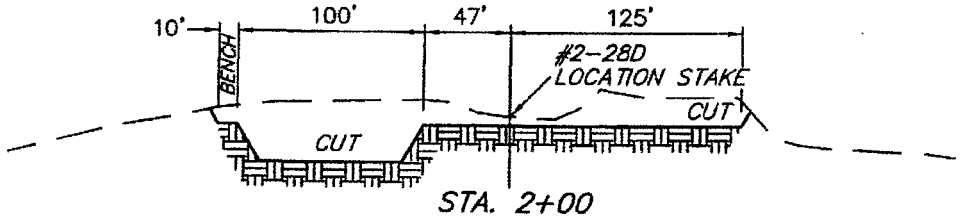
1" = 40'
X-Section
Scale
1" = 100'

DATE: 11-28-07
DRAWN BY: C.G.
REVISED: 02-21-08

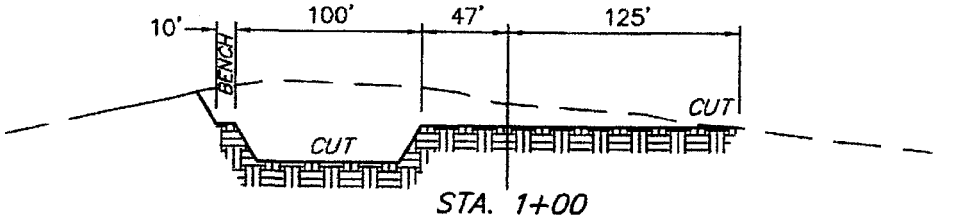
REGISTERED LAND SURVEYOR
No. 161318
ROBERT L. KAY
STATE OF UTAH



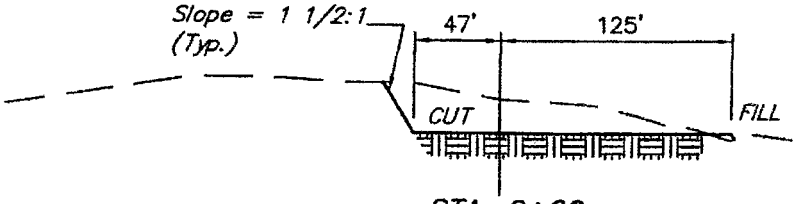
STA. 4+72



STA. 2+00



STA. 1+00



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

EXISTING WELL SITE DISTURBANCE = ± 3.548 ACRES
PROPOSED WELL SITE DISTURBANCE = ± 1.580 ACRES
TOTAL = ± 5.128 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,270 Cu. Yds.
(New Construction Only)
Remaining Location = 19,980 Cu. Yds.

TOTAL CUT = 21,250 CU. YDS.
FILL = 17,520 CU. YDS.

EXCESS MATERIAL = 3,730 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,730 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15, #16X-21D-12-15, #5-27A-12-15 & #1A-28D-12-15

LOCATED IN CARBON COUNTY, UTAH

SECTION 28, T12S, R15E, S.L.B.&M.

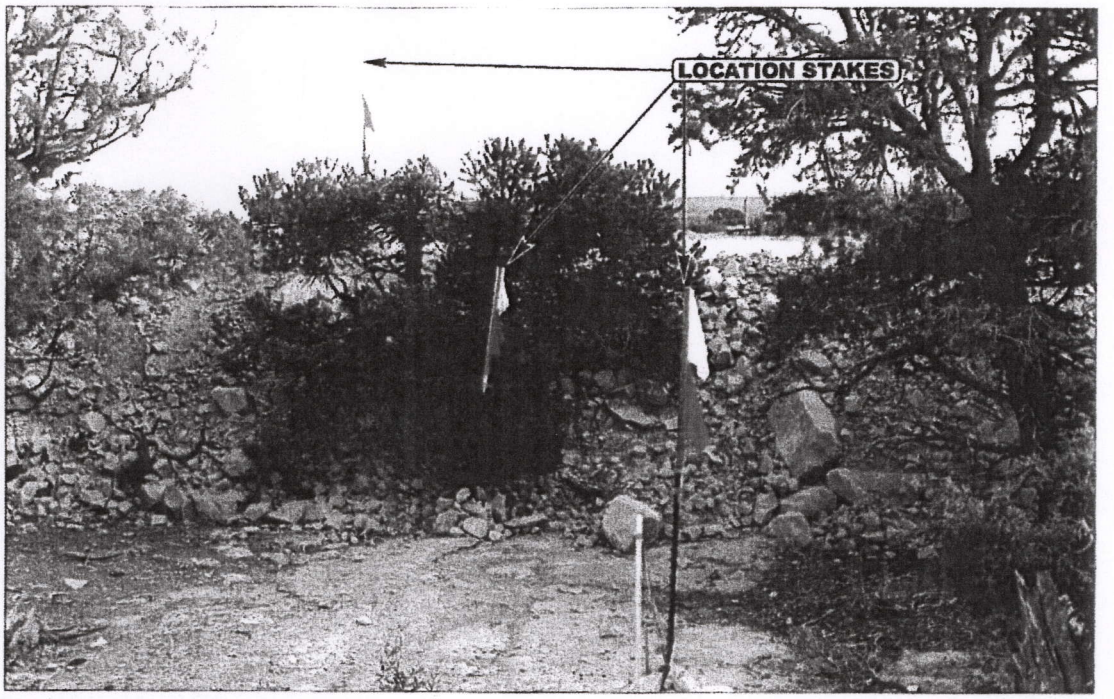


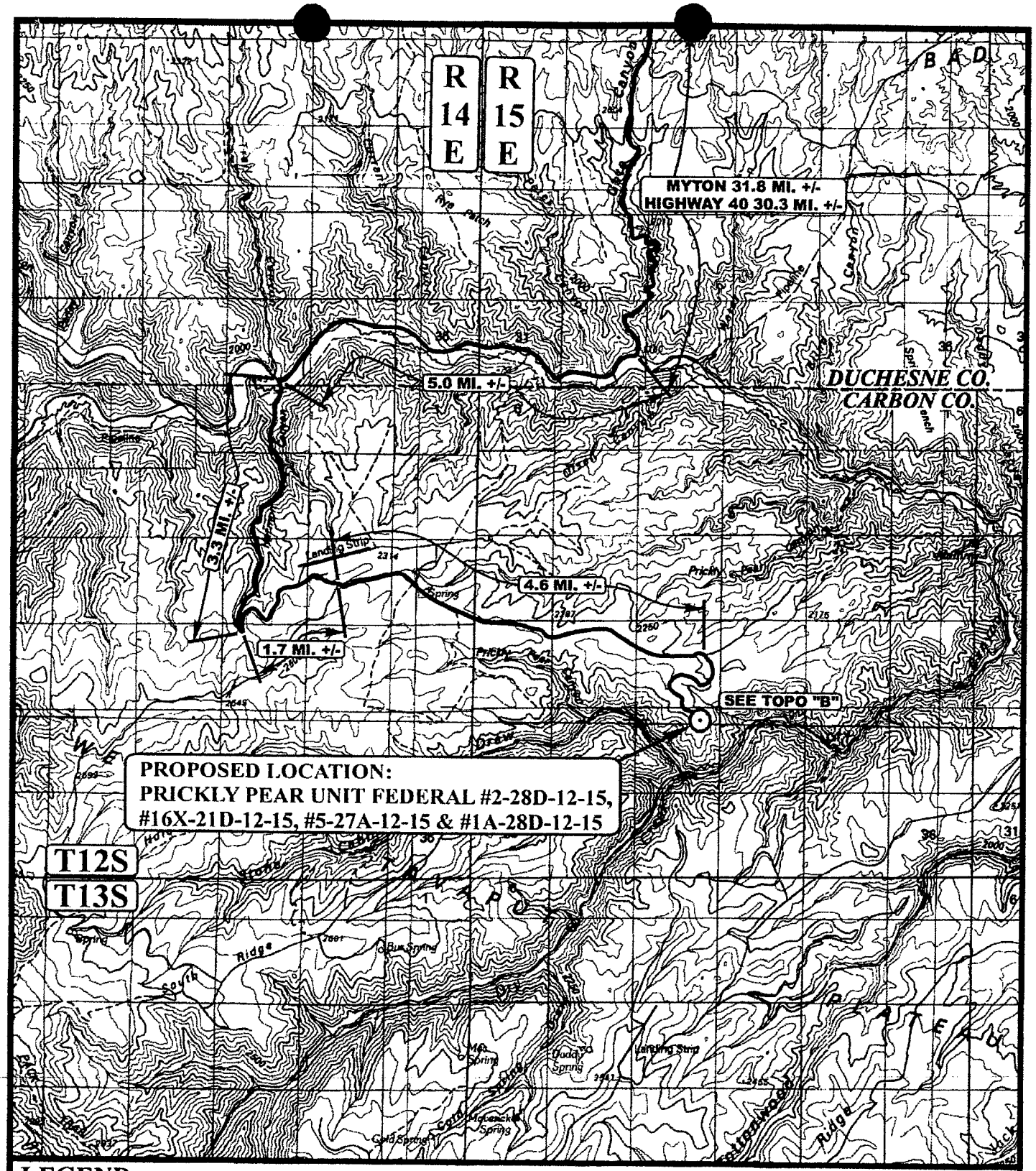
PHOTO: VIEW OF LOCATION STAKES **CAMERA ANGLE: EASTERLY**

PHOTO: VIEW OF PROPOSED ACCESS **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	11 MONTH	16 DAY	07 YEAR	PHOTO
TAKEN BY: D.R.	DRAWN BY: C.C.	REVISED: 02-22-08		



LEGEND:

⊙ PROPOSED LOCATION

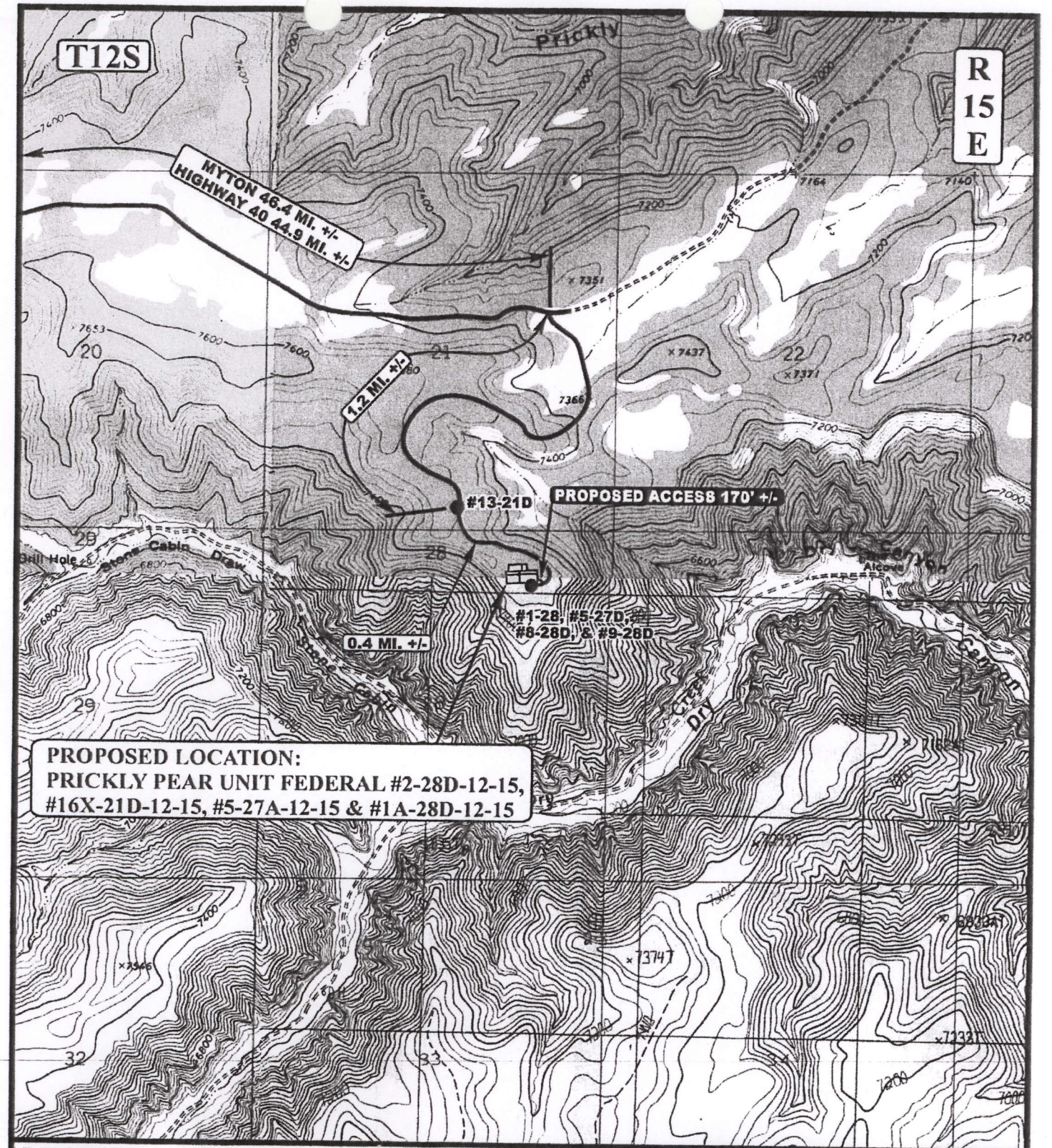
N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15,
#16-21D-12-15, #5-27A-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	16 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.C.	REVISED: 02-22-08		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

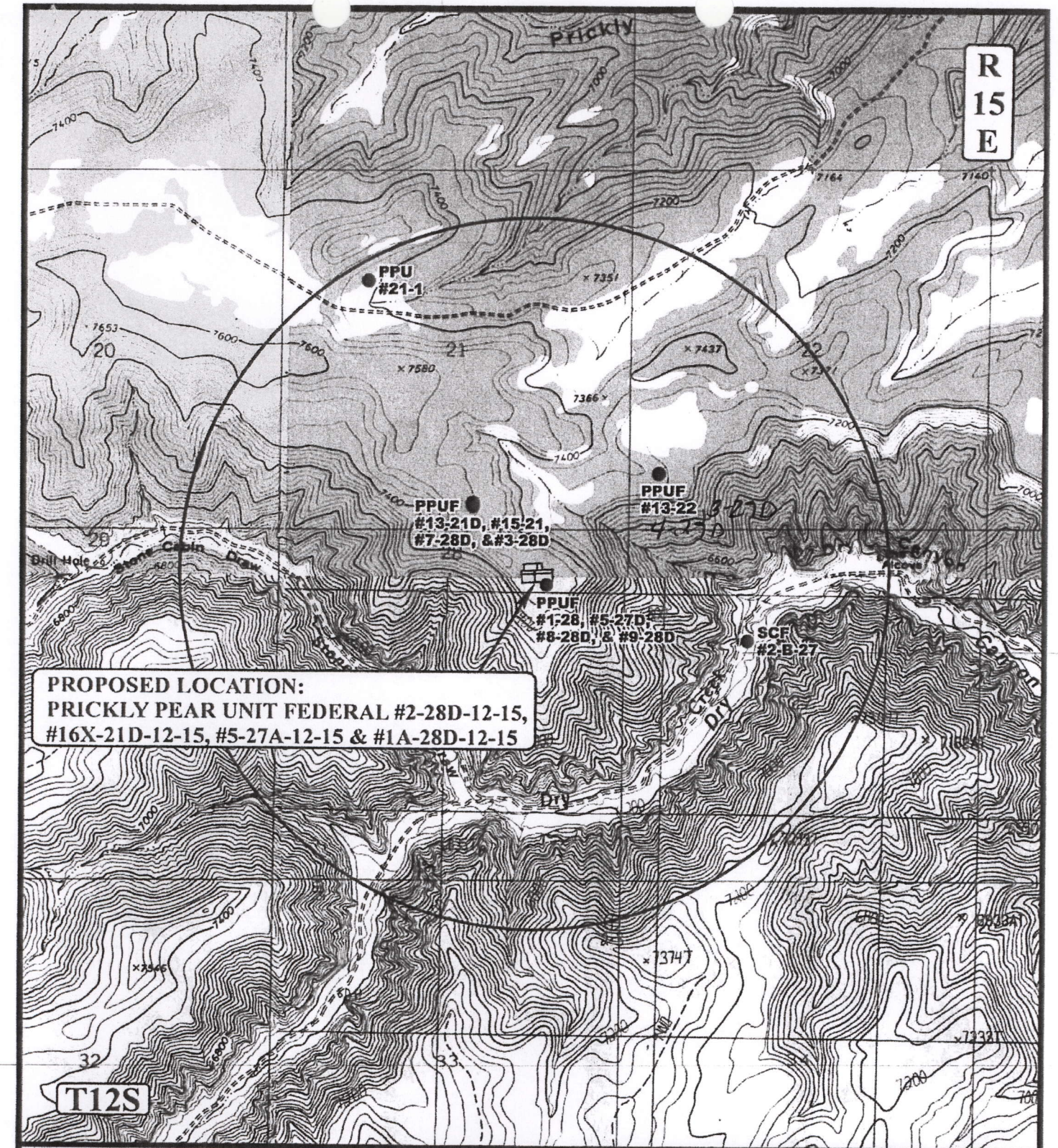
N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15, #16-21D-12-15, #5-27A-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	16 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.C.	REVISED: 02-22-08		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

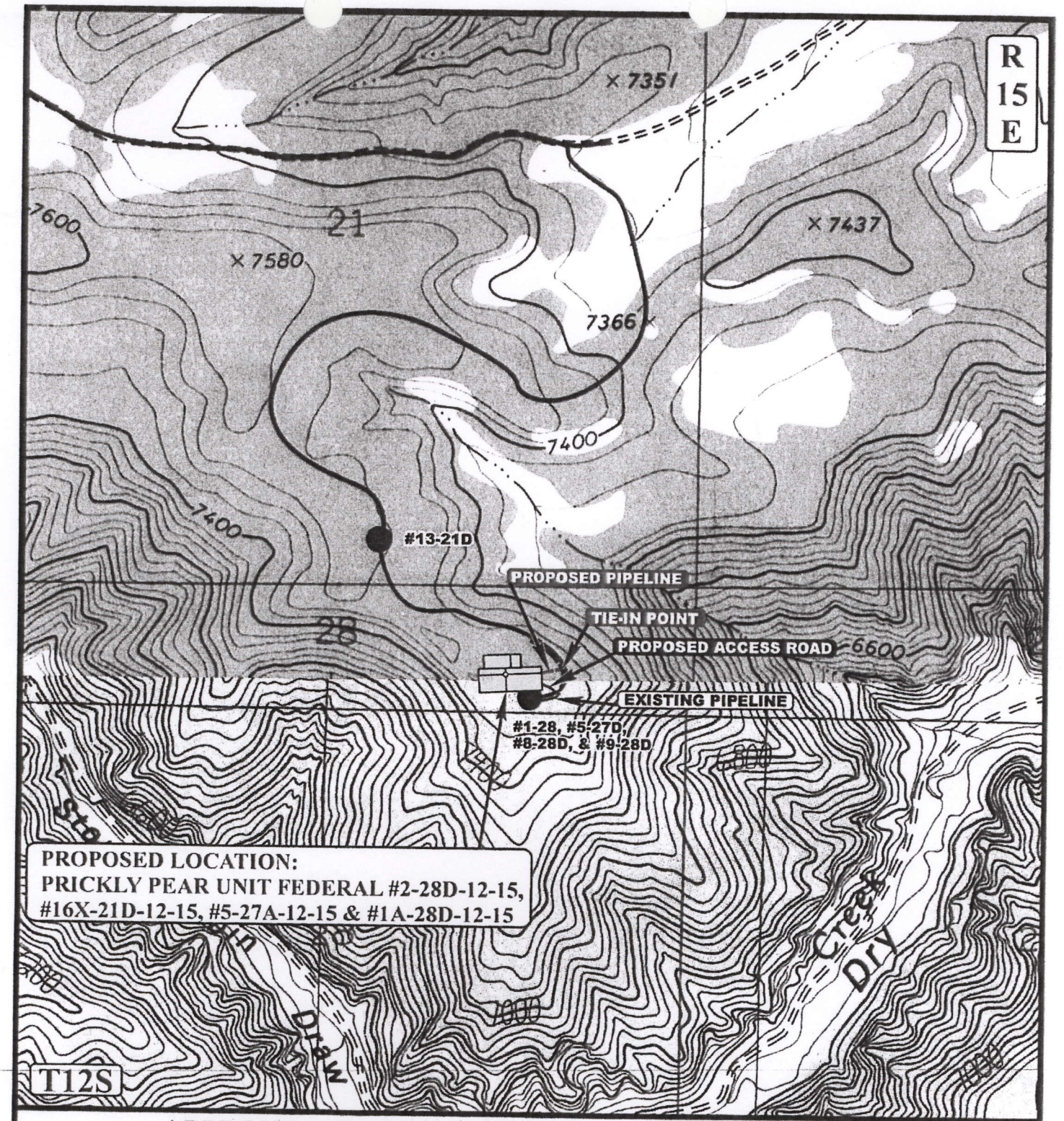
N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15, #16-21D-12-15, #5-27A-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	16 DAY	07 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.C.	REVISED: 02-22-08		



APPROXIMATE TOTAL PIPELINE DISTANCE = 171' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL #2-28D-12-15,
#16-21D-12-15, #5-27A-12-15 & #1A-28D-12-15
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	11 MONTH	16 DAY	07 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.C.	REVISED: 02-22-08		

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/10/2008

API NO. ASSIGNED: 43-007-31362

WELL NAME: PPU FED 2-28D-12-15
OPERATOR: BILL BARRETT CORP (N2165)
CONTACT: TRACEY FALLANG

PHONE NUMBER: 303-312-8134

PROPOSED LOCATION:
NWNE 28 120S 150E
SURFACE: 0650 FNL 1412 FEL
BOTTOM: 0632 FNL 2432 FEL
COUNTY: CARBON
LATITUDE: 39.75022 LONGITUDE: -110.2367
UTM SURF EASTINGS: 565390 NORTHINGS: 4400104
FIELD NAME: NINE MILE CANYON (35)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-73670
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: PRRV
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

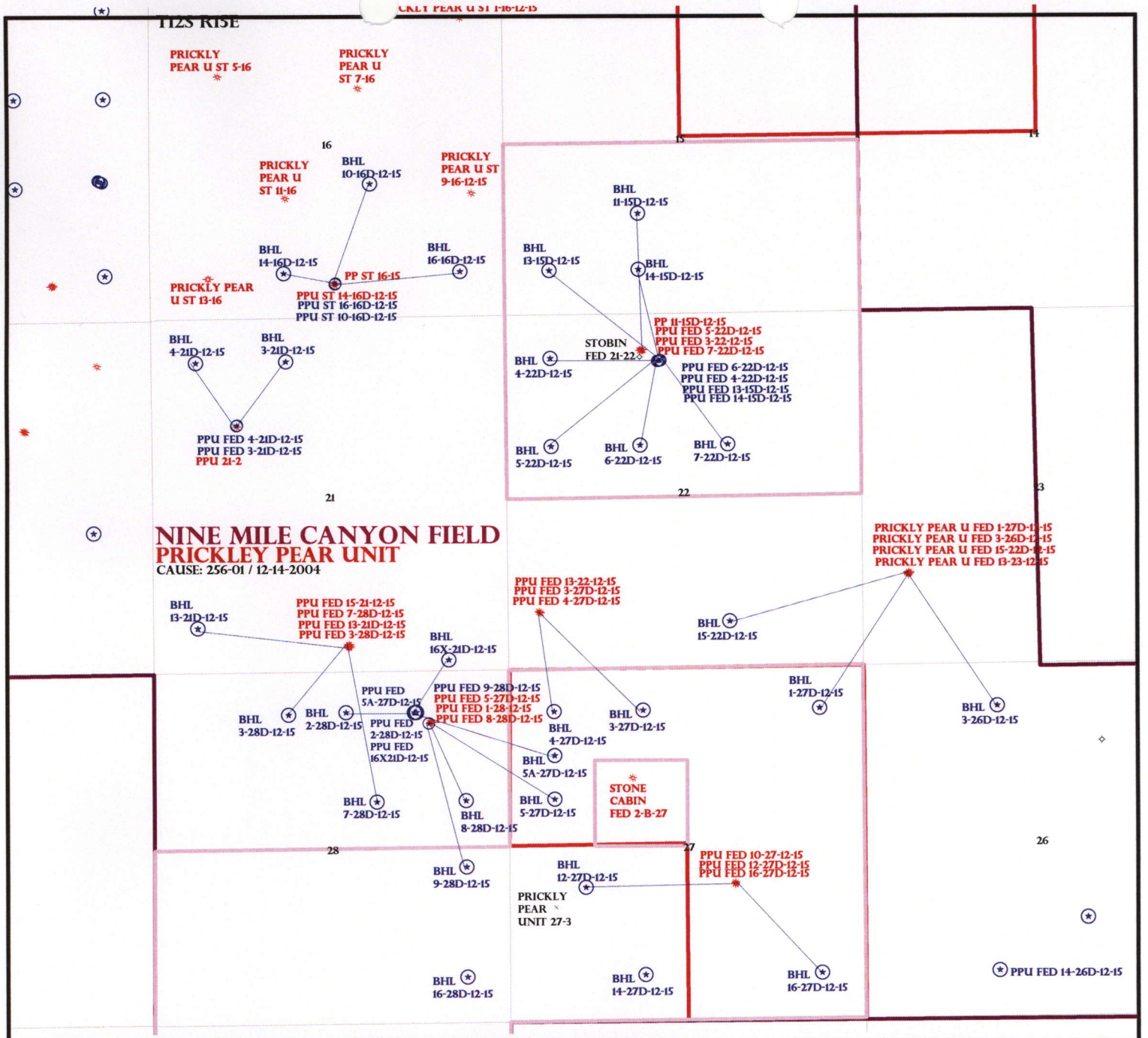
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000040)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 90-1846)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)
NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: PRICKLY PEAR
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 256-01
Eff Date: 12-14-2004
Siting: 460' fr ubdry & uncomm tracts
✓ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1- Federal Approval



OPERATOR: BILL BARRETT CORP (N2165)

SEC: 22,28 T.12S R. 15E

FIELD: NINE MILE CANYON (35)

COUNTY: CARBON

CAUSE: 256-01 / 12-14-2004

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 11-MARCH-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 11, 2008

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Prickly Pear Unit
Carbon County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Prickly Pear Unit, Carbon County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Price River)		
43-007-31358	PPU Fed 13-15D-12-15	Sec 22 T12S R15E 0719 FNL 2263 FWL BHL Sec 15 T12S R15E 0660 FSL 0660 FWL
43-007-31359	PPU Fed 14-15D-12-15	Sec 22 T12S R15E 0712 FNL 2294 FWL BHL Sec 15 T12S R15E 0660 FSL 1980 FWL
43-007-31360	PPU Fed 4-22D-12-15	Sec 22 T12S R15E 0722 FNL 2247 FWL BHL Sec 22 T12S R15E 0660 FNL 0660 FWL
43-007-31361	PPU Fed 6-22D-12-15	Sec 22 T12S R15E 0716 FNL 2279 FWL BHL Sec 22 T12S R15E 1980 FNL 1980 FWL
43-007-31362	PPU Fed 2-28D-12-15	Sec 28 T12S R15E 0650 FNL 1412 FEL BHL Sec 28 T12S R15E 0632 FNL 2432 FEL
43-007-31363	PPU Fed 16X-21D-12-15	Sec 28 T12S R15E 0649 FNL 1396 FEL BHL Sec 21 T12S R15E 0138 FSL 0899 FEL
43-007-31364	PPU Fed 5A-27D-12-15	Sec 28 T12S R15E 0648 FNL 1380 FEL BHL Sec 27 T12S R15E 1320 FNL 0660 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Prickly Pear Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-11-08

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

March 11, 2008

Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Re: Prickly Pear Unit Federal 2-28D-12-15 Well, Surface Location 650' FNL, 1412' FEL, NW NE, Sec. 28, T. 12 South, R. 15 East, Bottom Location 632' FNL, 2432' FEL, NW NE, Sec. 28, T. 12 South, R. 15 East, Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31362.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Carbon County Assessor
Bureau of Land Management, Moab Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Bill Barrett Corporation

Well Name & Number Prickly Pear Unit Federal 2-28D-12-15

API Number: 43-007-31362

Lease: UTU-73670

Surface Location: NW NE **Sec.** 28 **T.** 12 South **R.** 15 East

Bottom Location: NW NE **Sec.** 28 **T.** 12 South **R.** 15 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Form 3160-3
(August 2007)

COPY CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

RECEIVED
MOAB FIELD OFFICE
2008 APR 10 PM 2:20

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-73670

6. If Indian, Allotee or Tribe Name
N/A

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
Prickly Pear / UTU-79487

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone

8. Lease Name and Well No.
Prickly Pear Unit Federal 2-28D-12-15

2. Name of Operator Bill Barrett Corporation

9. API Well No.
43 007 31362

3a. Address 1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool, or Exploratory
Undesignated/Wasatch-Mesaverde

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NWNE, 650' FNL, 1412' FEL
At proposed prod. zone NWNE, 632' FNL, 2432' FEL, Sec. 28

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 28, T12S-R15E

14. Distance in miles and direction from nearest town or post office*
approximately 50 miles from Myton, Utah

12. County or Parish
Carbon County

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
1412' SH / 2432' BH	1440	40 acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on file
16' SH / 900' BH	7700' MD	Nationwide Bond #WYB000040

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
7507' graded ground	06/01/2008	45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
Tracey Fallang	Tracey Fallang	3/7/08

Title
Environmental/Regulatory Analyst

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
/s/ [illegible]	/s/ [illegible]	4/17/08

Title	Office
Assistant Field Manager, Division of Resources	Division of Resources Moab Field Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

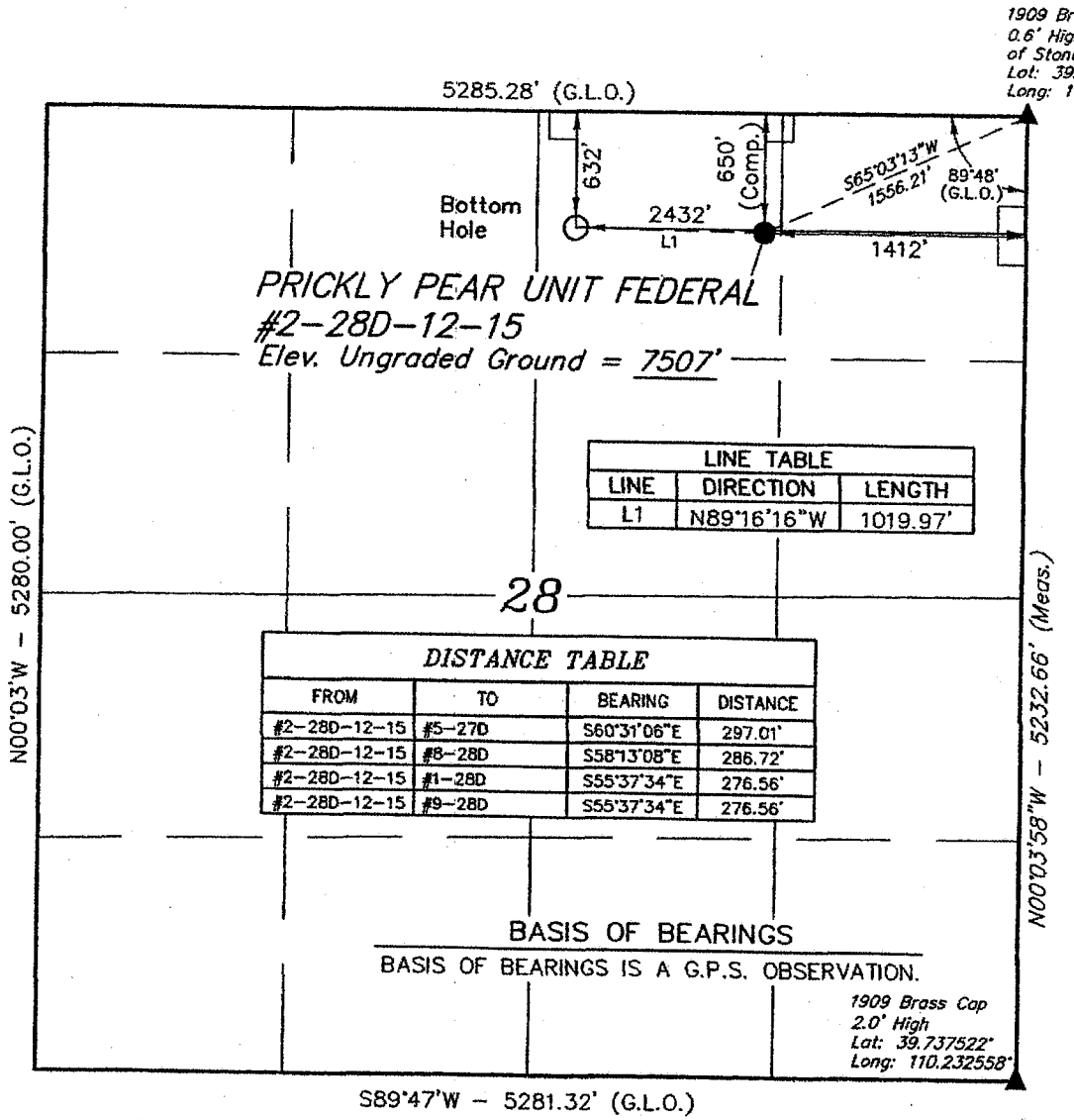
*(Instructions on page 2)

RECEIVED
APR 22 2008
DIV. OF OIL, GAS & MINING

BILL BARRETT CORPORATION

Well location, PRICKLY PEAR UNIT FEDERAL #2-28D-12-15, located as shown in the NW 1/4 NE 1/4 of Section 28, T12S, R15E, S.L.B.&M., Carbon County, Utah.

T12S, R15E, S.L.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°16'16"W	1019.97'

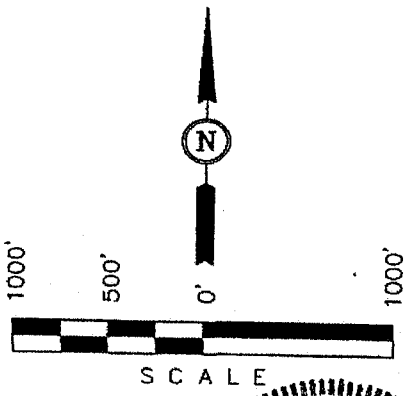
DISTANCE TABLE			
FROM	TO	BEARING	DISTANCE
#2-28D-12-15	#5-27D	S60°31'06"E	297.01'
#2-28D-12-15	#8-28D	S58°13'08"E	286.72'
#2-28D-12-15	#1-28D	S55°37'34"E	276.56'
#2-28D-12-15	#9-28D	S55°37'34"E	276.56'

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

BASIS OF ELEVATION

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 02-21-08

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°45'00.40" (39.750111)	LATITUDE = 39°45'00.28" (39.750078)
LONGITUDE = 110°14'28.44" (110.241233)	LONGITUDE = 110°14'15.39" (110.237608)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°45'00.53" (39.750147)	LATITUDE = 39°45'00.41" (39.750114)
LONGITUDE = 110°14'25.88" (110.240522)	LONGITUDE = 110°14'12.83" (110.236897)
STATE PLANE NAD 27 (UTAH CENTRAL)	STATE PLANE NAD 27 (UTAH CENTRAL)
N: 518533.20 E: 2354103.88	N: 516535.27 E: 2355123.13

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-02-07	DATE DRAWN: 11-28-07
PARTY: D.R. M.M. C.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: BILL BARRETT CORPORATION	

Bill Barrett Corporation
Prickly Pear Unit Federal 2-28D-12-15
Prickly Pear Unit
Lease, Surface: UTU-73670
Bottom-hole: UTU-73670
Location, Surface: NW/NE Sec. 28, T12S, R15E
Bottom-hole: NW/NE Sec. 28, T12S, R15E
Carbon County, Utah

A COMPLETE COPY OF THIS APPROVED PERMIT and Conditions of Approval shall be maintained on location during all construction and drilling operations, and shall be available to contractors to ensure compliance.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Bill Barrett Corporation is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **WYB000040** (Principal – Bill Barrett Corporation) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of two years from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Failure to comply with the provisions of this permit, including applicable regulations, stipulations, and/or approval conditions, will be considered a violation subject to the enforcement provisions of 43 CFR Subpart 3163.

A. DRILLING PROGRAM

1. The proposed 3M BOP system is adequate for anticipated conditions. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.

2. This well is located on the mesa immediately adjacent to Dry Canyon and Stone Cabin Draw. In order to isolate the wellbore from the canyon wall, the surface casing shall be set to a depth of not less than 1500 feet. This will place the surface casing shoe below the lowest elevation within one mile of the well.

3. Surface casing shall be cemented to surface. The cement volume shall be adjusted to accommodate the greater casing length.

4. If air drilling operations are utilized, the requirements of Onshore Oil and Gas Order No. 2 (Order 2), Part III.E *Special Drilling Operations*, shall be implemented.

5. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.

6. The proposal included a provision for using minor amounts of diesel in the drilling fluid system. Diesel may be added to the system only after cementing the surface casing into place.

7. The proposal included options for using one of three different grades of production casing. Any of the three options may be used.

8. A cement bond log (CBL) or other appropriate tool for determining top-of-cement, shall be run on the production casing string, unless cement is circulated to surface.

9. If logging reveals that the cementing objectives were not met, remedial cementing will be required.

10. Locally, the Green River Formation is known to contain oil, gas, oil shale and tar sand deposits. However, the lateral occurrence, distribution and grade of the oil shale and tar sand deposits are not well defined. The operator shall pay particular attention to this section, and shall attempt to identify and describe any of these resources that may be penetrated. Any information obtained on these resources shall be included as part of the Well Completion Report.

11. The use of a flow conditioner in lieu of straightening vanes in the gas meter run cannot be approved with the information provided. This proposal is not consistent with the provisions of Onshore Oil & Gas Order No. 5, and as such, can only be considered for approval as a "variance" from Order No. 5. A written request for variance would identify the Order No. 5 requirement(s) from which the variance is being requested, and it would include supporting justification as to how the alternate method of measurement would meet or exceed the minimum standards established in Order No. 5. A variance request for the use of a flow conditioner would also include the make, model, dimensions, and description of use for the specific flow conditioner being proposed.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Price Field Office
Price, Utah

SURFACE USE
CONDITIONS OF APPROVAL

Project Name: Prickly Pear Unit Drilling

Operator: Bill Barrett Corporation

Well:

Name	Number	Section SH	TWP/RNG	Lease Number
Prickly Pear Unit Federal	2-28D-12-15	28	12S/15E	UTU-73670

I Site Specific Conditions of Approval

1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.
2. The following appendices are attached for your reference. They are to be followed as conditions of approval:
    a. SM-A, Seed Mixture for Berms, Topsoil Piles, Pad Margins
    b. SM-B, Seed Mixture for Final Reclamation (buried pipelines, abandoned pads, roads, etc.)
    c. TMC1, Browse Hand Planting Tubeling Mixtures
    d. Lease Stipulations, see attached Table 2.3 from EA for West Tavaputs Plateau Drilling Program.
    e. Applicant-committed environmental protection measures, see attached Appendix B
3. The company shall furnish and apply water or other means satisfactory to the authorized officer for dust control. Magnesium chloride could be applied at distances greater than 500 feet from canyon bottoms, streams and riparian areas.
4. The company shall submit interim reclamation plans and location layout with proposed interim reclaimed areas to the authorized office within 90 days of the spudding of the well.

5. The area that encompasses the well location and road is environmentally sensitive including fragile soils and vegetation. The operator may be required to perform special measures such as mulching, erosion fencing, use of erosion fabric, etc. per the direction of the BLM Authorized Officer to stabilize any disturbed areas and ensure the reestablishment of long-term perennial vegetation.
6. The operator will be responsible for performing any remediation and/or necessary road upgrading (e.g. elevating, surfacing, culverts, low-water crossings, water-wings, surfacing, etc.) as directed by the BLM Authorized Officer, resulting from untimely access.
7. All equipment and personnel used during drilling and construction activities will be restricted to only approve access roads.
8. If the well is productive and after completion operations, the road will be upgraded to a **Resource Road** status in accordance with the *Surface Operating Standards for Oil & Gas Exploration and Development,* Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.
9. All permanent above-ground structures (e.g., production equipment, tanks, etc.) not subject to safety requirements will be painted to blend with the natural color of the landscape. The paint used will be a color which simulates "Standard Environmental Colors." The color selected for the Prickly Pear Unit Federal 2-28D-12-15 well is Olive Black, 5WA20-6. All facilities will be painted the designated color at the time of installation.
10. All trees salvaged from the construction of the well pad will be clearly segregated from the spoil material, to prevent burying of trees in the spoil material.
11. No salvaged trees will be pushed up against live trees or buried in the spoil material.
12. All areas not needed for production of the well will be reclaimed within 90 days of completion of the last well if weather conditions are favorable, unless the BLM Authorized Officer gives an extension.
13. Reserve pits will be closed as soon as possible, but no later than 90 days from time of drilling/well completion, unless the BLM Authorized Officer gives an extension. Squeezing of pit fluids and cuttings is prohibited. Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil. Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade. The operator will be responsible for re-contouring any subsidence areas that develop from closing a pit before it is sufficiently dry.
14. The operator will drill seed on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% will be used.
15. Please contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COAs.
16. A Paleontologist acceptable to the BLM will monitor during surface disturbing activities. If paleontologic resources are uncovered during surface disturbing activities, the paleontologist shall immediately notify the Authorized Officer (AO). The AO will

arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.

17. The pipeline(s) shall be buried.
18. During the activities of road maintenance, new road construction or the construction of well pads, if any standing live or dead trees are damaged, cut down or knocked over by grading or construction equipment, actions would be taken to remove excessive vegetation from the road or pad edge.
19. An impermeable liner shall be used in the containment area of all permanent condensate and water tanks.
20. Gas shall be measured on the well pad unless the BLM Authorized Officer authorizes another location.
21. If the well has not been spudded by APD Approval date + 2 years the APD will expire and the operator is to cease all operations related to preparing to drill the well.
22. The Mexican Spotted Owl Conservation Measures to avoid impacts:
    a. Employ best available technology on production wells and compression equipment within .5 miles of canyon habitat model.
    b. Upon discovery of individuals or sightings of this species, halt construction/drilling activities and notify authorized official.
23. No construction/drilling activities shall occur during the time of the year November 1 through April 15 for sage-grouse winter habitat.
24. Mule deer on critical winter ranges shall be protected by seasonal restrictions on construction from November 1 through April 15 where federal permits are required.
25. Elk on high priority and critical winter ranges would be protected by seasonal restrictions on construction from November 1 through April 15.
26. Centralize tanks and facilities with old wells. Utilize low profile tanks.
27. Leave trees on the edge of the well site.
28. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to the filling and reclamation of pits.

II Standard Conditions of Approval

A. General

1. If any cultural values [sites, artifacts, human remains] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Price Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO). Within five working days the AO will inform the operator as to:
    - whether the materials appear eligible for the National Register of Historic Places;
    - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,

- a time-frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction measures.

2. The operator shall restrict travel on unimproved roads during periods of inclement weather or spring thaw when the possibility exists for excessive surface resource damage (e.g., rutting in excess of 4-inches, travel outside roadway, etc.).
3. The Companies will provide georeferenced spatial data depicting as-built locations of all facilities, wells, roads, pipelines, power lines, and other related facilities to the BLM by November 1 of each year until completion of project construction activities has occurred.
4. If any dead or injured threatened, endangered, proposed, or candidate species is located during construction or operation, the BLM Price Field Office (435-636-3600) shall be notified within 24 hours.
5. The Company will conduct clearance surveys for threatened, endangered or other special-concern species at the optimum time. This will require coordination with the BLM before November 1 annually to review the potential for disturbance and to agree on inventory parameters.

B. Construction

1. The operator will limit vegetation removal and the degree of surface disturbance wherever possible. Where surface disturbance cannot be avoided, all practicable measures will be utilized to minimize erosion and stabilize disturbed soils.
2. Construction and drilling activity will not be conducted using frozen or saturated soil material during periods when watershed damage or excessive rutting is likely to occur.
3. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material. Any topsoil stockpiled for one year or longer will be signed and stabilized with annual ryegrass or other suitable cover crop.
4. The operator will not push soil material and overburden over side slopes or into drainages. All soil material disturbed will be placed in an area where it can be retrieved without creating additional undue surface disturbance and where it does not impede watershed and drainage flows.
5. Construct the backslope no steeper than 1½:1, and construct the foreslope no steeper than 2:1, unless otherwise directed by the BLM Authorized Officer.
6. Maintain a minimum 20-foot undisturbed vegetative border between toe-of-fill of pad and/or pit areas and the edge of adjacent drainages, unless otherwise directed by the BLM Authorized Officer.
7. With the overall objective of minimizing surface disturbance and retaining land stability and productivity, the operator shall utilize equipment that is appropriate to the scope and scale of work being done for roads and well pads (utilize equipment no larger than needed for the job).

8. Reserve pits will be adequately fenced during and after drilling operations until pit is reclaimed so as to effectively keep out wildlife and livestock. Adequate fencing, in lieu of more stringent requirements by the surface owner, is defined as follows:
   - Construction materials will consist of steel or wood posts. Three or four strand wire (smooth or barbed) fence or hog panel (16-foot length by 50-inch height) or plastic snow fence must be used with connectors such as fence staples, quick-connect clips, hog rings, hose clamps, twisted wire, etc. Electric fences will not be allowed.
   - Construction standards: Posts shall be firmly set in ground. If wire is used, it must be taut and evenly spaced, from ground level to top wire, to effectively keep out animals. Hog panels must be tied securely into posts and one another using fence staples, clamps, etc. Plastic snow fencing must be taut and sturdy. Fence must be at least 2-feet from edge of pit. 3 sides fenced before beginning drilling, the fourth side fenced immediately upon completion of drilling and prior to rig release. Fence must be left up and maintained in adequate condition until pit is closed.
9. The reserve pit will be oriented to prevent collection of surface runoff. After the drilling rig is removed, the operator may need to construct a trench on the uphill side of the reserve pit to divert surface drainage around it. If constructed, the trench will be left intact until the pit is closed.
10. The reserve pit will be lined with an impermeable liner if permeable subsurface material is encountered. An impermeable liner is any liner having a permeability of less than 10^{-7} cm/sec. The liner will be installed so that it will not leak and will be chemically compatible with all substances that may be put in the pit. Liners made of any man-made synthetic material will be of sufficient strength and thickness to withstand normal installation and pit use. In gravelly or rocky soils, a suitable bedding material such as sand will be used prior to installing the liner.
11. The reserve pit will be constructed so that at least half of its total volume is in solid cut material (below natural ground level).
12. The reserve pit shall have 2 foot of freeboard maintained at all times to prevent overflow of fluids.
13. Culverts will be placed on channel bottoms on firm, uniform beds, which have been shaped to accept them, and aligned parallel to the channel to minimize erosion. Backfill will be thoroughly compacted.
14. The minimum diameter for culverts will be 18 inches. However, all culverts will be appropriately sized in accordance with standards in BLM Manual 9113.
15. Construction and other project-related traffic will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
16. Maximum design speed on all operator-constructed and maintained roads will not exceed 25 miles per hour.
17. Pipeline construction shall not block nor change the natural course of any drainage. Pipelines shall cross perpendicular to drainages. Pipelines shall not be run parallel in drainage bottoms. Suspended pipelines shall provide adequate clearance for maximum runoff.
18. Pipeline trenches shall be compacted during backfilling. Pipeline trenches shall be routinely inspected and maintained to ensure proper settling, stabilization and reclamation.

19. The pipeline right-of-way will be brush-hogged to prevent unnecessary disturbance. Only those areas where safety, absolute need for construction or other regulations may warrant the use of topsoil removal by blading or scalping.
20. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
21. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

C. Operations/Maintenance

1. If in the process of air drilling the wells there is a need to utilize mud, all circulating fluids will be contained either in an approved pit or in an aboveground containment tank. The pit or containment tank will be large enough to safely contain the capacity of all expected fluids without danger of overflow. Fluid and cuttings will not be squeezed out of the pit, and the pit will be reclaimed in an expedient manner.
2. Confine all equipment and vehicles to the access road(s), pad(s), and area(s) specified in the approved APD.
3. All waste, other than human waste and drilling fluids, will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site immediately upon completion of drilling operations. No trash or empty barrels will be placed in the reserve pit or buried on location. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.
4. Rat and mouse holes shall be filled and compacted from the bottom to the top immediately upon release of the drilling rig from the location.
5. The operator will be responsible for prevention and control of noxious weeds and weeds of concern on all areas of surface disturbance associated with this project (well locations, roads, water management facilities, etc.) Use of pesticides shall comply with the applicable Federal and State laws. Pesticides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of Interior. Prior to the use of pesticides on public land, the holder shall obtain from the BLM authorized officer written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary by the authorized officer to such use.
6. Sewage shall be placed in a self-contained, chemically treated porta-potty on location.
7. The operator and their contractors shall ensure that all use, production, storage, transport and disposal of hazardous and extremely hazardous materials associated with the drilling, completion and production of these wells will be in accordance with all applicable existing or hereafter promulgated federal, state and local government rules, regulations and guidelines. All project-related activities involving hazardous materials will be conducted in a manner to minimize potential environmental impacts. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety

Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.

8. Produced fluids shall be put in test tanks on location during completion work. Produced water will be put in the reserve pit during completion work per Onshore Order #7.
9. The only fluids/waste materials which are authorized to go into the reserve pit are RCRA exempt exploration and production wastes. These include:
   - drilling muds & cuttings
   - rigwash
   - excess cement and certain completion & stimulation fluids defined by EPA as exempt

   It does not include drilling rig waste, such as:
   - spent hydraulic fluids
   - used engine oil
   - used oil filter
   - empty cement, drilling mud, or other product sacks
   - empty paint, pipe dope, chemical or other product containers
   - excess chemicals or chemical rinsate

   Any evidence of non-exempt wastes being put into the reserve pit may result in the BLM Authorized Officer requiring specific testing and closure requirements.
10. If this well is drilled during the fire season (June-October), the operator shall institute all necessary precautions to ensure that fire hazard is minimized, including but not limited to mowing vegetation on the access route(s) and well location(s), keeping fire fighting equipment readily available when drilling, etc.

D. Dry Hole/Reclamation

1. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc will be expediently reclaimed and reseeded in accordance with the surface use plan and any pertinent site-specific COAs.
2. Disturbed lands will be re-contoured back to conform with existing undisturbed topography. No depressions will be left that trap water or form ponds.
3. Before the location has been reshaped and prior to redistributing the topsoil, the operator will rip or scarify the drilling platform and access road on the contour, to a depth of at least 12 inches. The rippers are to be no farther than 24 inches apart.
4. Distribute the topsoil evenly over the entire location and other disturbed areas. Prepare the seedbed by disking to a depth of 4-to-6 inches following the contour.
5. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice. Individual facilities, such as well locations, pipelines, discharge points, impoundments, etc. need to be addressed in these plans as they are no longer needed. Individual items that will need to be addressed in reclamation plans include:
   - Pit closure (Close ASAP after suitably dry, but no later than 90 days from time of drilling unless an extension is given by BLM Authorized Officer.) BLM may require closure prior to 90 days in some cases due to land use or environmental concerns.
   - Configuration of reshaped topography, drainage systems, and other surface manipulations
   - Waste disposal

- Revegetation methods, including specific seed mix (pounds pure live seed/acre) and soil treatments (seedbed preparation, fertilization, mulching, etc.). On private surface, the landowner should be consulted for the specific seed mix.
- Other practices that will be used to reclaim and stabilize all disturbed areas, such as water bars, erosion fabric, hydro-mulching, etc.
- An estimate of the timetables for beginning and completing various reclamation operations relative to weather and local land uses.
- Methods and measures that will be used to control noxious weeds, addressing both ingress and egress to the individual well or POD.
- Decommissioning/removal of all surface facilities

6. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
7. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.
8. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.
9. Soil fertility testing and the addition of soil amendments may be required to stabilize some disturbed lands.
10. Any mulch utilized for reclamation needs to be certified weed free.
11. Waterbars are to be constructed at least one (1) foot deep, on the contour with approximately two (2) feet of drop per 100 feet of waterbar to ensure drainage, and extended into established vegetation. All waterbars are to be constructed with the berm on the downhill side to prevent the soft material from silting in the trench. The initial waterbar should be constructed at the top of the backslope. Subsequent waterbars should follow the following general spacing guidelines:

Slope (percent)	Spacing Interval (feet)
≤ 2	200
$2 - 4$	100
$4 - 5$	75
≥ 5	50

E. Producing Well

1. Reclaim those areas not required for production as soon as possible. The fluids and mud must be dry in the reserve pit before re-contouring pit area. The operator will be responsible for re-contouring and reseeding of any subsidence areas that develop from closing a pit before it is completely dry.
2. Reduce the backslope to 2:1 and the foreslope to 3:1, unless otherwise directed by the BLM Authorized Officer. Reduce slopes by pulling fill material up from foreslope into the toe of cut slopes.

3. Production facilities (including dikes) must be placed on the cut portion of the location and a minimum of 15 feet from the toe of the back cut unless otherwise approved by the BLM Authorized Officer.
4. Any spilled or leaked oil, produced water or treatment chemicals must be reported in accordance with NTL-3A and immediately cleaned up in accordance with BLM requirements. This includes clean-up and proper disposition of soils contaminated as a result of such spills/leaks.
5. Distribute stockpiled topsoil evenly over those areas not required for production and reseed as recommended.
6. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
7. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.
8. If not already required prior to constructing and drilling the well location, the operator shall immediately upgrade the entire access road to BLM standards (including topsoiling, crowning, ditching, drainage culverts, surfacing, etc.) to ensure safe, environmentally-sound, year-round access. Waterbars shall be installed on all reclaimed pipeline corridors per the guidelines in D #11.

Seed Mix A[1]
Temporary Disturbance
(for berms, topsoil piles, pad margins)

Forbes Lbs	
Yellow Sweetclover	2.0 lbs/acre
Ladak Alfalfa	2.0 lbs/acre
Cicer Milkvetch	1.0 lbs/acre
Palmer Penstemon	0.5 lbs/acre
Grasses Lbs	
Crested Wheatgrass	2.0 lbs/acre
Great Basin Wildrye	2.0 lbs/acre
Intermediate Wheatgrass	2.0 lbs/acre
Total	11.5 lbs/acre

1 Seed mix A is designed for rapid establishment, soil holding ability, and nitrogen fixing capability.

Seed Mix B
Final Reclamation
(for buried pipe lines, abandoned pads, road, etc.)

Forbes Lbs	
Palmer Penstemon	0.5 lbs/acre
Golden Cryptantha	0.25 lbs/acre
Utah Sweetvetch	0.5 lbs/acre
Yellow Sweetclover[1]	2.0 lbs/acre
Lewis Flax	1.0 lbs/acre
Grasses Lbs	
Indian Ricegrass	1.0 lbs/acre
Needle & Thread Grass	1.0 lbs/acre
Intermediate Wheatgrass	2.0 lbs/acre
Blue Grama	0.5 lbs/acre
Galletta	0.5 lbs/acre
Great Basin Wildrye	2.0 lbs/acre
Woody Plants Lbs	
Fourwing Saltbush	2.0 lbs/acre
Winterfat	0.5 lbs/acre
Wyoming Big Sage brush	0.25 lbs/acre
Utah Serviceberry	1.0 lbs/acre
Blue Elderberry (Raw Seeds)	1.0 lbs/acre

Total 16.0 lbs/acre

1 Yellow Sweetclover is planted as a nurse crop to provide solar protection, soil binding and nitrogen fixing. It will normally be crowded out in 2 to 3 years.

TMC 1: Browse Hand Planting
Tubeling Mixtures

One of the two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on areas that are undergoing long term reclamation. The would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following completion of construction and on all other disturbed areas upon final reclamation.

Planting Methods:

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provide protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1-April 1) and or fall (November 1-December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

Planting Species and Application Rate: [ ] **Sagebrush-Grass** [X] **Pinyon-Juniper**

	Plants Per Acre	
Species	**Sagebrush-Grass**	**Pinyon-Juniper**
Wyoming Sagebrush (Gordon Creek)	100	50
Fourwing Saltbush (Utah seed source collected at or above 5,000 feet elevation)	100	50
True Mountain Mahogany (Utah seed source)	0	50
Antelope Bitterbrush (Utah seed source)	0	50
TOTAL	**200**	**200**
Suitable Substitutions:		
Utah Serviceberry	No	50
Winterfat	100	No

Table 2.3 Lease Numbers, Oil and Gas Units, Federal ROW Requirements, and Lease Stipulations for State and Federal Wells Proposed by BBC.

Location/Well Number	Federal Lease Number and Stipulations	Unit Name	Federal ROW Needs
Federal Wells			
7-25	UTU-59970	Prickly Pear Unit	Lower Flat Iron Road
16-34	UTU-73671	Prickly Pear Unit	Lower Flat Iron Road
27-3	UTU-73670 [1,2,3]	Prickly Pear Unit	None
21-2	UTU-73670 [1,2,3]	Prickly Pear Unit	None
13-4	UTU-74385	Prickly Pear Unit	None
5-13	UTU-73665	Prickly Pear Unit	None
24-12	UTU-77513 [1,2,3]	Prickly Pear Unit	None
10-4	UTU-74386 [1,2,3,4]	Prickly Pear Unit	None
15-19	UTU-66801 [1,2,3]	Jack Canyon Unit	None
Existing Pads			
UT-10	UTU-66801 [1,2,3]	Jack Canyon Unit	None
PPH-8	UTU-66801 [1,2,3]	Jack Canyon Unit	None
PP-11	UTU-66801 [1,2,3]	Jack Canyon Unit	None
State Wells			
Section 2, T13S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 36, T12S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 32, T12S, R16E	NA	Jack Canyon Unit	Cottonwood Canyon Road
Section 2, T13S, R16E	NA	None	Peters Point Road Extension

1 No occupancy or other surface disturbance will be allowed within 330 feet of the centerline or within the 100-year recurrence interval floodplain, whichever is greater, of the perennial streams or within 660 feet of springs, whether flowing or not. This distance may be modified when specifically approved in writing by the authorized officer of the BLM.

2 In order to minimize watershed damage, exploration drilling and other development activity will be allowed only during the period from May 1 to October 31. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the BLM.

3 Construction of access roads and drill pads on slopes in excess of 30 percent will require special design standards to minimize watershed damage. Drilling operations and any associated construction activities on slopes in excess of 50 percent may require directional drilling to prevent damage to the watershed. Exceptions to the limitations may be specifically approved in writing by the authorized officer of the BLM.

4 Raptor surveys will be required whenever surface disturbance and/or occupancy proposed in association with oil/gas exploration occur within a known nesting complex for raptors located in the NWNW, Sec. 10, T12S, R14E. Field surveys will be conducted by the lessee/operator as determined by the AO of the BLM. When surveys are required of the lessee/operator, the consultant hired must be found acceptable to the AO prior to the field survey being conducted. Based on the result of the field survey, the AO will determine appropriate buffer zones.

APPENDIX B:

APPLICANT-COMMITTED ENVIRONMENTAL PROTECTION MEASURES

1.0 INTRODUCTION

Appendix B is part of BBC's Proposed Action for the WTPDP as described in Chapter 2.0, and BBC will comply with the standards, procedures, and requirements contained in Appendix B when implementing the Alternatives unless otherwise provided for by the BLM Authorized Officer (AO). Appendix B describes standard practices utilized to mitigate adverse effects caused by surface-disturbing activities.

2.0 STANDARD PRACTICES

The following BMPs/Applicant-Committed Protection Measures (ACEPM) will be applied to all federal lands within the WTPPA by BBC to minimize impacts to the environment. Exception, modification, or waiver of a mitigation requirement may be granted if a thorough analysis by BLM determines that the resource(s) for which the measure was developed will not be impacted by the project activity. Further site-specific mitigation measures may be identified during the application for permit to drill (APD) and/or right-of-way (ROW) application review processes.

2.1 PRECONSTRUCTION PLANNING AND DESIGN MEASURES

1. BBC and/or their contractors and subcontractors will conduct all phases of project implementation, including well location, road and pipeline construction, drilling and completion operations, maintenance, reclamation, and abandonment in full compliance with all applicable federal, state, and local laws and regulations and within the guidelines specified in approved APDs and ROW permits. BBC will be held fully accountable for their contractor's and subcontractor's compliance with the requirements of the approved permit and/or plan.

2. Implementation of site-specific activities/actions will be contingent on BLM determining that the activity/action complies with the following plans:
   - Surface Use Plan and/or Plan of Development; and
   - Site-specific APD plans/reports (e.g., road and wellpad design plans, cultural clearance, special status plant species clearance, etc.).

   The above plans may be prepared by the Companies for the project area or submitted incrementally with each APD, ROW application, or Sundry Notice (SN).

2.2 ROADS

1. BBC will construct roads on private surface in a safe and prudent manner to the specifications of landowners.

2. Roads on federal surface will be constructed as described in BLM Manual 9113. Where necessary, running surfaces of the roads will be graveled if the base does not already contain sufficient aggregate.

3. Existing roads will be used when the alignment is acceptable for the proposed use. Generally, roads will be required to follow natural contours; provide visual screening by constructing curves, etc.; and be reclaimed to BLM standards.

4. To control or reduce sediment from roads, guidance involving proper road placement and buffer strips to stream channels, graveling, proper drainage, seasonal closure, and in some cases, redesign or closure of old roads will be developed when necessary. Construction may also be prohibited during periods when soil material is saturated, frozen, or when watershed damage is likely to occur.

5. Available topsoil will be stripped from all road corridors prior to commencement of construction activities and will be redistributed and reseeded on backslope areas of the borrow ditch after completion of road construction activities. Borrow ditches will be reseeded in the first appropriate season after initial disturbance.

6. On newly constructed roads and permanent roads, the placement of topsoil, seeding, and stabilization will be required on all cut and fill slopes unless conditions prohibit this (e.g., rock). No unnecessary side-casting of material (e.g., maintenance) on steep slopes will be allowed.

7. Reclamation of abandoned roads will include requirements for reshaping, recontouring, resurfacing with topsoil, installation of water bars, and seeding on the contour. Road beds, wellpads, and other compacted areas will be ripped to a depth of 1.0 foot on 1.5 feet centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation will be spread over the disturbance for nutrient recycling, where practical. Fertilization or fencing of these disturbances will not normally be required. Additional erosion control measures (e.g., fiber matting) and road barriers to discourage travel may be required. Graveled roads, wellpads, and other sites will be stripped of usable gravel and hauled to new construction sites prior to ripping as deemed necessary by the AO. The removal of structures such as bridges, culverts, cattleguards, and signs will usually be required.

8. Main artery roads, regardless of the primary user, will be crowned, ditched, drained, and, if deemed appropriate by the AO, surfaced with gravel.

9. Unnecessary topographic alterations will be mitigated by avoiding, where possible, steep slopes, rugged topography, and perennial and ephemeral/intermittent drainages, and by minimizing the area disturbed.

10. Upon completion of construction and/or production activities, the Companies will restore, to the extent practicable, the topography to near pre-existing contours at well sites, access roads, pipelines, and other facility sites.

11. Existing roads will be used to the maximum extent possible and upgraded as necessary.

12. BBC will comply with existing federal, state, and county requirements and restrictions to protect road networks and the traveling public.

13. Special arrangements will be made with the Utah Department of Transportation to transport oversize loads to the project area. Otherwise, load limits will be observed at all times to prevent damage to existing road surfaces.

14. All development activities along approved ROWs will be restricted to areas authorized in the approved ROW.

15. Roads and pipelines will be located adjacent to existing linear facilities wherever practical.

16. BBC and/or their contractors will post appropriate warning signs and require project vehicles to adhere to appropriate speed limits on project-required roads, as deemed necessary by the AO.

16. BBC will be responsible for necessary preventative and corrective road maintenance for the duration of the project. Maintenance responsibilities may include, but are not limited to, blading, gravel surfacing, cleaning ditches and drainage facilities, dust abatement, noxious weed control, or other requirements as directed by the AO.

2.3 WELLPADS AND FACILITIES

1. In conformance with Onshore Oil and Gas Order No. 1, BBC will prepare and submit individual comprehensive drill site design plans for BLM approval. These plans will show the drill location layout over the existing topography; dimensions of the location; volumes and cross sections of cut and fill; location and dimensions of reserve pits; existing drainage patterns; and access road egress and ingress. Plans will be submitted and approved prior to initiation of construction.

2. No surface disturbance is recommended on slopes in excess of 25% unless erosion controls can be ensured and adequate revegetation is expected. Engineering proposals and revegetation and restoration plans will be required in these areas.

3. Reserve pits will be constructed to ensure protection of surface and ground water. The review to determine the need for installation of lining material will be done on a case-by-case basis and consider soil permeability, water quality, and depth to ground water.

4. Reserve pit liners will have a mullen burst strength that is equal to or exceeds 300 pounds, a puncture strength that is equal to or exceeds 160 pounds, and grab tensile strengths that are equal to or exceed 150 pounds. There will be verified test results conducted according to ASTM test standards. The liner will be totally resistant to deterioration by hydrocarbons.

5. Produced water from oil and gas operations will be disposed of in accordance with the requirements of Onshore Oil and Gas Order #7.

6. Pits will be fenced as specified in individual authorizations. Any pit containing harmful fluids will be maintained in a manner that will prevent migratory bird mortality.

7. Disturbances will be managed/reclaimed for zero runoff from the wellpad or other facility until the area is stabilized. All excavations and pits will be closed by backfilling and contouring to conform to surrounding terrain. On wellpads and other facilities, the surface use plan will include objectives for successful reclamation including soil stabilization, plant community composition, and desired vegetation density and diversity.

8. On producing wells, BBC will reduce slopes to original contours (not to exceed 3:1 slopes). Areas not used for production purposes will be backfilled and blended into the surrounding terrain, reseeded, and erosion control measures installed. Erosion control measures will be required after slope reduction. Mulching, erosion control measures, and fertilization may be required to achieve acceptable stabilization.

9. Abandoned sites will be satisfactorily rehabilitated in accordance with the approved APD.

2.4 PIPELINES

1. Pipeline construction methods and practices will be completed in such a manner so as to obtain good reclamation and the re-establishment of the native plant community.

2. On ditches exceeding 24 inches in width, 6 to 12 inches of surface soil will be salvaged on the entire right-of-way, where practicable. When pipelines are buried, there will be at least 30 inches of backfill on top of the pipe. Backfill will not extend above the original ground level after the fill has settled. Guides for construction and water bar placement found in "Surface Operating Standards for Oil and

Gas Exploration and Development" (BLM and USFS 1989) will be followed. Bladed surface materials will be re-spread upon the cleared route once construction is completed. Disturbed areas that have been reclaimed will be fenced when the route is near livestock watering areas at the discretion of the AO.

3. Pipeline ROWs will be located to minimize soil disturbance to the greatest extent practicable. Mitigation will include locating pipeline ROWs adjacent to access roads to minimize ROW disturbance widths, or routing pipeline ROWs directly to minimize disturbance lengths.

4. Existing crowned and ditched roads will be used for access where possible to minimize surface disturbances. Clearing of pipeline ROWs will be accomplished with the least degree of disturbance to topsoil. Where topsoil removal is necessary, it will be stockpiled (windrowed) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the ROW will also be re-spread to provide protection, nutrient recycling, and a seed source.

5. Temporary disturbances which do not require major excavation (e.g., small pipelines) may be stripped of vegetation to ground level using mechanical treatment, leaving topsoil intact and root masses relatively undisturbed.

6. To promote soil stability, backfill over the trench will be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting the pipeline trench backfill will occur at two levels to reduce trench settling and water channeling--once after 3 feet of fill has been replaced and once within 6-12 inches of the surface. Water bars, mulching, and terracing will be installed, as needed, to minimize erosion. Instream protection structures (e.g., drop structures) in drainages crossed by a pipeline will be installed at the discretion of the AO to prevent erosion.

7. BBC will adhere to the following procedures regarding the installation of pipelines during periods when the earth is frozen.
   - The BLM Price Field Office will be contacted at least 10 days prior to anticipated start of project. The project will not proceed until such time as authorization from BLM has been received by the Companies.
   - A BLM representative will be on the ground at the beginning of construction.
   - Snow, if present, will be removed utilizing a motor grader.
   - Vegetation will be scalped and windrowed to one side of the right-of-way.
   - A wheel trencher will be used to remove approximately 6-8 inches of topsoil from the top of the pipeline ditch and windrow it to one side.
   - A trench approximately 4 feet deep will be dug using a wheel trencher and the soil will be stockpiled to one side, making sure the top soil or spoil do not get mixed together.
   - The pipeline will be installed, the trench backfilled, and the spoil compacted in the trench.
   - Stockpiled topsoil will be placed in the trench and compacted.
   - Scalped vegetation back will be placed back on right-of-way using a motor grader.
   - The entire right-of-way will be reseeded as normal in the spring after the thaw.

   These procedures will be incorporated in every Plan of Development where construction in frozen earth is anticipated.

2.5 AIR QUALITY

1. BBC will comply with all applicable local, state, and federal air quality laws, statutes, regulations, standards, and implementation plans.

2. BBC will obtain all necessary air quality permits from UDAQ to construct, test, and operate facilities.

3. All internal combustion equipment will be kept in good working order.

4. The Companies will use water at construction sites, as necessary, to abate fugitive dust.

5. The Companies will not allow any open burning of garbage or refuse at well sites or other facilities.

2.6 VEGETATION

1. Removal and disturbance of vegetation will be kept to a minimum through construction site management (e.g., using previously disturbed areas and existing easements, limiting equipment/materials storage yard and staging area size, etc.).

2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts in areas of high value (e.g., sensitive species habitats, wetland/riparian areas).

2.7 SOILS

1. Surface-disturbing activities will be examined on a site-specific basis, evaluating the potential for soil loss and the compatibility of soil properties with project design. Stipulations and mitigating measures will be developed on a case-by-case basis to ensure soil conservation and practical management.

2. BBC will restrict construction activities during periods when soils are saturated and excessive rutting (>4 inches with multiple passes) would occur.

3. Salvage and subsequent replacement of topsoil will occur for surface-disturbing activities wherever specified by the AO.

4. Before a surface-disturbing activity is undertaken, topsoil depth will be determined and the amount of topsoil to be removed, along with topsoil placement areas, will be specified in the authorization. The uniform distribution of topsoil over the area to be reclaimed will occur unless conditions warrant a varying depth. On large surface-disturbing projects topsoil will be stockpiled and seeded to reduce erosion. Where feasible, topsoil stockpiles will be designed to maximize surface area to reduce impacts to soil microorganisms. Areas used for spoil storage will be stripped of topsoil before spoil placement, and the replacement of topsoil after spoil removal will be required.

5. BBC will avoid adverse impacts to soils by:
   - minimizing the area of disturbance;
   - avoiding construction with frozen soil materials to the extent practicable;
   - avoiding areas with high erosion potential (e.g., unstable soil, dunal areas, slopes greater than 25%, floodplains), where practicable;
   - salvaging and selectively handling topsoil from disturbed areas;
   - adequately protecting stockpiled topsoil and replacing it on the surface during reclamation;
   - leaving the soil intact (scalping only) during pipeline construction, where practicable;

- using appropriate erosion and sedimentation control techniques including, but not limited to, diversion terraces, riprap, and matting;
- promptly revegetating disturbed areas using adapted species;
- applying temporary erosion control measures such as temporary vegetation cover, application of mulch, netting, or soil stabilizers; and/or
- constructing barriers, as appropriate, to minimize wind and water erosion and sedimentation prior to vegetation establishment.

6. Appropriate erosion control and revegetation measures will be employed. Grading and landscaping will be used to minimize slopes, and water bars will be installed on disturbed slopes in areas with unstable soils where seeding alone may not adequately control erosion. Erosion control efforts will be monitored by the Companies and necessary modifications made to control erosion.

7. Sufficient topsoil or other suitable material to facilitate revegetation will be segregated from subsoils during all construction operations requiring excavation and will be returned to the surface upon completion of operations. Soils compacted during construction will be ripped and tilled as necessary prior to reseeding. Cut and fill sections on all roads and along pipelines will be revegetated with native species.

8. Any accidental soil contamination by spills of petroleum products or other hazardous materials will be cleaned up by the Companies and the soil disposed of or rehabilitated according to applicable rules.

9. BBC will restrict off-road vehicle (ORV) activity by employees and contract workers to the immediate area of authorized activity or existing roads and trails.

2.8 RECLAMATION

1. BBC's reclamation goals will emphasize: 1) protection of existing native vegetation; 2) minimal disturbance of the existing environment; 3) soil stabilization through establishment of ground cover; and 4) establishment of native vegetation consistent with land use planning.

2. All reclamation will be accomplished as soon as possible after the disturbance occurs with efforts continuing until a satisfactory revegetation cover is established.

3. Seed mixtures for reclaimed areas will be site-specific, composed of native species, and will include species promoting soil stability. A pre-disturbance species composition list will be developed if the site includes several different plant communities. Livestock palatability and wildlife habitat needs will be given consideration during seed mix formulation. BLM Manual 1745, *Introduction, Transplant, Augmentation, and Reestablishment of Fish, Wildlife, and Plants*, and Executive Order No. 11987, *Exotic Organisms*, will be used as guidance.

4. Interseeding, secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provision will be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures will occur on areas where initial reclamation efforts are unsuccessful.

5. Any mulch used by BBC will be weed free and free from mold, fungi, or noxious weed seeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting, and

rock. Straw mulch will contain fibers long enough to facilitate crimping and provide the greatest cover.

6. BBC will be responsible for the control of all noxious weed infestations on disturbed surfaces. Aerial application of chemicals will be prohibited within 0.25 mile of special status plant locations, and hand application will be prohibited within 500 feet. Herbicide application will be monitored by the AO.

7. Recontouring and seedbed preparation will occur immediately prior to reseeding on the unused portion of wellpads, road ROWs, and entire pipeline ROWs outside of road ROWs. In the event of uneconomical wells, BBC will initiate reclamation of the entire wellpads, access road, and adjacent disturbed habitat as soon as possible. BBC assumes the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which results in the proper reclamation of disturbed lands. BBC will monitor reclamation to determine and ensure successful establishment of vegetation. No consent to termination of any bond will be given by the AO until all the terms and conditions of the approved permit(s) have been met.

8. Proper erosion and sediment control structures and techniques will be incorporated by the Companies into the design of wellpads, roads, pipelines, and other facilities. Revegetation using a BLM-approved, locally adapted seed mixture containing native grasses, forbs, and shrubs will begin in the first appropriate season following disturbance. Vegetation removed will be replaced with plants of equal forage value and growth form using procedures that include:
   - fall reseeding (September 15 to freeze-up), where feasible;
   - spring reseeding (April 30 - May 31) if fall seeding is not feasible;
   - deep ripping of compacted soils prior to reseeding;
   - surface pitting/roughening prior to reseeding;
   - utilization of native cool season grasses, forbs, and shrubs in the seed mix;
   - interseeding shrubs into an established stand of grasses and forbs at least one year after seeding;
   - appropriate, approved weed control techniques;
   - broadcast or drill seeding, depending on site conditions; and
   - fencing of certain sensitive reclamation sites (e.g., riparian areas, steep slopes, and areas within 0.5 mile of livestock watering facilities) as determined necessary through monitoring.

9. BBC will monitor noxious weed occurrence on the project area and implement a noxious weed control program in cooperation with BLM. Weed-free certification by county extension agents will be required for grain or straw used for mulching revegetated areas.

2.9 CANDIDATE PLANTS/SPECIAL STATUS PLANTS

1. Herbicide applications will be kept at least 500 feet from known special status plant species populations or other distances deemed safe by the AO.

2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts to areas of high value (e.g., special status plant species habitats, wetland/riparian areas).

2.10 WATERSHEDS

1. Crossings of ephemeral, intermittent, and perennial streams associated with road and utility line construction will generally be restricted until normal flows are established after spring runoff.

2.11 GEOLOGICAL/PALEONTOLOGICAL RESOURCES

1. Wells, pipelines, and ancillary facilities will be designed and constructed such that they will not be damaged by moderate earthquakes. Any facilities defined as critical according to the Uniform Building Code will be constructed in accordance with applicable Uniform Building Code Standards for Seismic Risk Zone 2B.

2. If paleontological resources are uncovered during surface-disturbing activities, BBC will suspend operations at the site that will further disturb such materials and immediately contact the AO, who will arrange for a determination of significance, and, if necessary, recommend a recovery or avoidance plan.

2.12 CULTURAL/HISTORICAL RESOURCES

1. BBC will follow the cultural resources and recovery plan for the project.

2. If cultural resources are located within frozen soils or sediments that preclude the possibility of adequately recording or evaluating the find, construction work will cease and the site will be protected for the duration of frozen soil conditions. Recordation, evaluation and recommendations concerning further management will be made to the AO following natural thaw. The AO will consult with the affected parties and construction work will resume once management of the threatened site has been finalized and the Notice to Proceed has been issued.

3. BBC will inform their employees, contractors and subcontractors about relevant federal regulations intended to protect archaeological and cultural resources. All personnel will be informed that collecting artifacts, including arrowheads, is a violation of federal law and that employees engaged in this activity may be subject to disciplinary action.

2.13 WATER RESOURCES

1. BBC will maintain a complete copy of the SPCC Plan at each facility if the facility is normally attended at least 8 hours per day, or at the nearest field office if the facility is not so attended (40 CFR 112.3(e)).

2. BBC will implement and adhere to SPCC Plans in a manner such that any spill or accidental discharge of oil will be remediated. An orientation will be conducted by the Companies to ensure that project personnel are aware of the potential impacts that can result from accidental spills, as well as the appropriate recourse if a spill does occur. Where applicable and/or required by law, streams at pipeline crossings will be protected from contamination by pipeline shutoff valves or other systems capable of minimizing accidental discharge.

3. If reserve pit leakage is detected, operations at the site will be curtailed, as directed by the BLM, until the leakage is corrected.

4. BBC will case and cement all gas wells to protect subsurface mineral and freshwater zones. Unproductive wells and wells that have completed their intended purpose will be properly abandoned and plugged using procedures identified by BLM (federal mineral estate) and/or WOGCC (state and fee mineral estate).

5. All water used in association with this project will be obtained from sources previously approved by the Utah State Engineer's Office.

6. Erosion-prone or high salinity areas will be avoided where practicable. Necessary construction in these areas will be timed to avoid periods of greatest runoff.

7. BBC will incorporate proper containment of condensate and produced water in tanks and drilling fluids in reserve pits, and will locate staging areas for storage of equipment away from drainages to prevent contaminants from entering surface waters.

8. Prudent use of erosion control measures, including diversion terraces, riprap, matting, temporary sediment traps, and water bars will be employed by the Companies as necessary. These erosion control measures will be used as appropriate to control surface runoff generated at wellpads. The type and location of sediment control structures, including construction methods, will be described in APD and ROW plans. If necessary, BBC may treat diverted water in detention ponds prior to release to meet applicable state or federal standards.

9. BBC will construct channel crossings by pipelines so that the pipe is buried at least 3 feet below the channel bottom.

10. Streams/channels crossed by roads will have culverts installed at all appropriate locations as specified in the BLM Manual 9112-*Bridges and Major Culverts* and Manual 9113-*Roads*. Streams will be crossed perpendicular to flow, where possible, and all stream crossing structures will be designed to carry the 25-year discharge event or other capacities as directed by the AO.

11. BBC will reshape disturbed channel beds to their approximate original configuration.

12. The disposal of all hydrostatic test water will be done in conformance with BLM Onshore Oil and Gas Order No. 7. BBC will comply with state and federal regulations for water discharged into an established drainage channel. The rate of discharge will not exceed the capacity of the channel to convey the increased flow. Waters that do not meet applicable state or federal standards will be evaporated, treated, or disposed of at an approved disposal facility.

13. BBC will prepare Storm Water Pollution Prevention Plans (SWPPPs) as required by WDEQ National Pollution Discharge Elimination System (NPDES) permit requirements on individual disturbances that exceed 5 acres in size or as required by future changes in regulations.

14. Any disturbances to wetlands and/or waters of the U.S. will be coordinated with the COE, and 404 permits will be secured as necessary prior to disturbance.

15. Where disturbance of wetlands, riparian areas, streams, or ephemeral/intermittent stream channels cannot be avoided, COE Section 404 permits will be obtained by BBC as required, and, in addition to applicable above-listed measures, the following measures will be applied where appropriate:
    - wetland areas will be crossed during dry conditions (i.e., late summer, fall, or dry winters);
    - streams, wetlands, and riparian areas disturbed during project construction will be restored to as near re-project conditions as practical and, if impermeable soils contributed to wetland formation, soils will be compacted to reestablish impermeability;
    - wetland topsoil will be selectively handled;
    - disturbed areas will be recontoured and BLM-approved species will be used for reclamation; and

- reclamation activities will begin on disturbed wetlands immediately after completion of project activities.

2.14 NOISE

1. All engines required for project activities will be properly muffled and maintained in accordance with state and federal laws.

2.15 WILDLIFE, FISHERIES, AND THREATENED AND ENDANGERED (T&E) SPECIES

1. To minimize wildlife mortality due to vehicle collisions, BBC will advise project personnel regarding appropriate speed limits in the project area. Roads no longer required for operations will be reclaimed as soon as possible. Potential increases in poaching will be minimized through employee and contractor education regarding wildlife laws. If wildlife law violations are discovered, the offending employee will be subject to disciplinary action by BBC.

2. BBC will protect (e.g., fence or net) reserve, workover, and production pits potentially hazardous to prohibit wildlife access as directed by BLM.

3. BBC will utilize wildlife-proof fencing on reclaimed areas in accordance with standards specified in BLM Handbook 1741-1, *Fencing*, if it is determined that wildlife are interfering with successful reestablishment of vegetation.

4. Consultation and coordination with USFWS and UDWR will be conducted for all mitigation activities relating to raptors and T&E species and their habitats, and all permits required for movement, removal, and/or establishment of raptor nests will be obtained.

5. BBC will adhere to all survey, mitigation, and monitoring requirements identified in the Biological Assessment prepared for this project.

2.16 LIVESTOCK/GRAZING MANAGEMENT

1. BBC will reclaim nonessential areas disturbed during construction activities in the first appropriate season after well completion.

2. Nonessential areas include portions of the wellpads not needed for production operations, the borrow ditch and outslope portions of new road ROWs, entire pipeline ROWs outside of road ROWs, and all roads and associated disturbed areas at nonproductive wells.

3. BBC will repair or replace fences, cattleguards, gates, drift fences, and natural barriers to current BLM standards. Cattleguards will be used instead of gates for livestock control on most road ROWs. Livestock will be protected from pipeline trenches, and livestock access to existing water sources will be maintained.

4. BBC will review livestock impacts from roads or disturbance from construction and drilling activities at least annually with livestock permittees and BLM. Appropriate measures will be taken to correct any adverse impacts, should they occur.

2.17 RECREATION

1. BBC will instruct employees, contractors, and subcontractors that camp sites on federal lands or at federal recreation sites must not be occupied for more than 14 consecutive days.

2. BBC will require that employees, contractors, and subcontractors abide by all state and federal laws and regulations regarding hunting.

2.18 VISUAL RESOURCES

1. Pipeline ROWs will be located within existing ROWs whenever possible, and aboveground facilities not requiring safety coloration will be painted with appropriate nonreflective standard environmental colors (Carlsbad Canyon or Desert Brown, or other specified standard environmental colors) as determined by the AO. Topographic screening, vegetation manipulation, project scheduling, and traffic control procedures may all be employed, as practicable, to further reduce visual impacts.

2. Within VRM Class II areas, BBC will utilize existing topography to screen roads, pipeline corridors, drill rigs, wells, and production facilities from view where practicable. The Companies will paint all aboveground production facilities with appropriate colors (e.g., Carlsbad Canyon or Desert Brown) to blend with adjacent terrain, except for structures that require safety coloration in accordance with OSHA requirements.

2.19 HEALTH AND SAFETY/HAZARDOUS MATERIALS

1. BBC will utilize BLM-approved portable sanitation facilities at drill sites; place warning signs near hazardous areas and along roadways; place dumpsters at each construction site to collect and store garbage and refuse; ensure that all refuse and garbage is transported to a State-approved sanitary landfill for disposal; and institute a Hazard Communication Program for its employees and require subcontractor programs in accordance with OSHA (29 CFR 1910.1200).

2. In accordance with 29 CFR 1910.1200, a Material Safety Data Sheet for every chemical or hazardous material brought on-site will be kept on file BBC's field offices.

3. Chemicals and hazardous materials will be inventoried and reported by BBC in accordance with the SARA Title III (40 CFR 335). If quantities exceeding 10,000 pounds or the threshold planning quantity are to be produced or stored, BBC will submit appropriate Section 311 and 312 forms at the required times to the State and County Emergency Management Coordinators and the local fire departments.

4. BBC will transport and/or dispose of any hazardous wastes, as defined by the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, in accordance with all applicable federal, state, and local regulations.

5. BBC commits to the following practices regarding hazardous material containment.

    - All storage tank batteries that contain any oil, glycol, produced water, or other fluid which may constitute a hazard to public health or safety will be surrounded by a secondary means of containment for the entire contents of the largest single tank in use plus freeboard for precipitation, or to contain 110% of the capacity of the largest vessel. The appropriate containment and/or diversionary structures or equipment, including walls and floor, will contain

any oil, glycol or produced water and shall be constructed so that any discharge from a primary containment system, such as a tank or pipe, will not drain, infiltrate, or otherwise escape to ground or surface waters before cleanup is completed.

- Treaters, dehydrators and other production facilities that have the potential to leak or spill oil, glycol, produced water, or other fluid which may constitute a hazard to public health or safety, shall be placed on or within appropriate containment and/or diversionary structure to prevent spilled or leaking fluid from reaching ground or surface waters. The appropriate containment and/or diversionary structure will be sufficiently impervious to oil, glycol, produced water, or other fluid and will be installed so that any spill or leakage will not drain, infiltrate, or otherwise escape to ground or surface waters prior to completion of cleanup.

- Notice of any spill or leakage, as defined in BLM NTL 3A, will be immediately reported to the AO by the Companies as well as to such other federal and state officials as required by law. Oral notice will be given as soon as possible, but within no more than 24 hours, and those oral notices will be confirmed in writing within 72 hours of any such occurrence.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Price Field Office, Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- Submit written notification (Sundry Notice, Form 3160-5) to the Moab Field Office within 24-hours after spud, regardless of whether using a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports that describe the progress and status of the well shall be submitted to the Moab Field Office on at least a weekly basis. This report may be in any format customarily used by the operator.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- Any modification to the proposed drilling program shall be submitted to the Moab Field Office on a Sundry Notice (Form 3160-5). Regulations at 43 CFR 3162.3-2 describe which operations require prior approval, and which require notification.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, immediately notify the Price Field Office, and work that might disturb the cultural resources shall cease.

First Production- A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Price Field Office.

Notify the Moab Field Office when the well is placed into production. Initial notification may be verbal, but must be confirmed in writing within five business days. Please include the date production started, the producing formation and production volumes.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, a *Well Completion or Recompletion Report and Log* (Form 3160-4) shall be submitted to the Moab Field Office within thirty-days after completion of the well. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered to be shut-in until the gas can be captured or until approval to continue the venting/flaring pursuant to NTL-4A is granted. Compensation shall be due for gas that is vented/flared without approval.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No.7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling of production prior to the sales measurement point. The term "commingling" describes both the combining of production from different geologic zones and/or combining production from different leases or agreement areas.

Plugging and Abandonment- If the well is a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Sundry Notice, Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1 NOTIFICATIONS

Notify Walton Willis (435-636-3662), Randy Knight (435-636-3615), Don Stephens (435-636-3608) or Nathan Sill (435-636-3668) of the BLM Price Field Office for the following:

2 days prior to starting dirt work, construction and reclamation (Stephens or Sill);

1 day prior to spud (Stephens or Sill);

24 hours prior to reaching the surface casing setting depth (Willis or Knight);

24 hours prior to testing BOP equipment (Willis or Knight).

If the person at the above number cannot be reached, notify the BLM Moab Field Office at 435-259-2100.

Well abandonment operations require 24-hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained from:

Eric Jones, Petroleum Engineer Office: 435-259-2117
Home: 435-259-2214

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
2. Name of Operator Bill Barrett Corporation	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	9. API Well No. 43-007-31362 10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

5. Lease Serial No.
UTU-73670

6. If Indian, Allottee or Tribe Name
N/A

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☑ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	_____
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted to request a revision to the production casing proposed. BBC still proposes to use the 5 1/2", 17#, N-80, LT&C as noted in the approved APD drilling program. However, as an option to the 5 1/2" casing, BBC would like to use the following:

Size: 4 1/2"
Weight: 11.6 lbs/ft
Grade: I-100
Finish: LT&C

Cement volumes would be adjusted accordingly if 4 1/2" casing is utilized. The casing design is attached.

If you have any questions or need further information, please contact me at 303-312-8134.

RECEIVED
APR 28 2008
DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 04/23/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Well name: **West Tavaputs General**

Operator: **Bill Barrett Corporation**

String type: Production

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,935 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.80 (J)

Body yield: 1.80 (B)

Tension is based on buoyed weight.

Neutral point: 8,580 ft

Environment:

H2S considered? No

Surface temperature: 60.00 °F

Bottom hole temperature: 200 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 2,500 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	4.5	11.60	I-100	LT&C	10000	10000	3.875	231.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	7220	1.46	4935	9720	1.97	100	245	2.45

Prepared by: Dominic Spencer / Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: 7-Apr-08

Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *– Other instructions on page 2.*

5. Lease Serial No.
UTU-73670

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear Unit / UTU-079487

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
Prickly Pear Unit Federal 2-28D-12-15

2. Name of Operator
Bill Barrett Corporation

9. API Well No.
43-007-31362

3a. Address
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool or Exploratory Area
Nine Mile/Wasatch-Mesaverde

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NWNE, 650' FNL, 1412' FEL
Sec. 28, T12S-R15E, S.L.B.&M.

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Change in wellhead location
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that the wellhead and christmas tree for this well will not be positioned below ground as initially requested in the surface use plan of operations. Future drilling plans, as anticipated at this time, do not indicate the need to re-occupy this pad.

If you have any questions or need further information, please contact me at 303-312-8134.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

RECEIVED
MAY 22 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature Tracey Fallang

Date 05/19/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Form 3160-5
(August 2007)

~~CONFIDENTIAL~~ tfallang CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

COPY

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Spud
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that this well was spud 5/28/08.

If you have any questions or need further information, please contact me at 303-312-8134.

RECEIVED
JUN 02 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 05/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73040
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Weekly Activity Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly & Final Drilling Reports from 5/30/08 through 6/20/08 (reports 1-11). Waiting on completion (tentatively beginning in September).

RECEIVED
JUN 24 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 06/20/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/7/2008
Report # : 1
Depth At 06:00 : 1515.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M
Spud Date : 6/9/2008 Days From Spud : 0
Morning Operations : BEGIN TO SET RIG ON LOCATION

Time To	Description
6:00 AM	BEGIN STAGING RIG FROM 3-18 TO 2-28 WHILE FINISH SUFACE CEMENT AND DRILL RODENT HOLES, SET CELLAR RINGS AND WELD WELLHEADS

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 342
DAILY SAFETY MEETING = LOAD OUT TRUCKS
BBL OF WATER USED DAILY= 1680
BBL OF WATER USED TOTAL = 1680
GAL. OF DIESEL ON LOCATION=
GAL. OF DIESEL USED DAILY=
GAL. OF DIESEL USED TOTAL=
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS=0
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/7/2008
Report # : 1
Depth At 06:00 :
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M
Spud Date : 6/9/2008 Days From Spud : 0
Morning Operations : Begining costs

Remarks :

Time To	Description

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Operations Date : 6/9/2008
Report # : 3
Depth At 06:00 : 1515.00
Estimated Total Depth : 7471.00

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 0

Morning Operations : PICK UP TOOLS

Time To	Description
10:00 AM	COMPLETE MOVE WITH DAWN TRUCKING
2:00 PM	COMPLETE RIG UP WITH CREWS
7:30 PM	DRILL RAT HOLE [WORK OUT STUCK MM]
11:30 PM	COMPLETE NIPPLE UP PREPARE TO TEST
4:30 AM	PRESSURE TEST TO 3000 PSI FOR 10 MIN. UPPER COCK KELLY FOOR VALVES KILL CHECK VALVE & LINE CHOKE MANNIFOLD MANNUAL HCR & LINE BLINDS PIPES TEST ANN FOR 10MIN TO 1500 PSI TEST CSG TO 1500 FOR 30 MIN
6:00 AM	PICK UP BHA

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 344
DAILY SAFETY MEETING = TEST BOP
BBL OF WATER USED DAILY= 2610
BBL OF WATER USED TOTAL = 4290
GAL. OF DIESEL ON LOCATION=3709
GAL. OF DIESEL USED DAILY=423
GAL. OF DIESEL USED TOTAL=525
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS=0
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Operations Date : 6/8/2008
Report # : 2
Depth At 06:00 : 1515.00
Estimated Total Depth : 7471.00

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 0

Morning Operations : RIG UP WHILE WAIT ON TRUCKS TO RETURN

Time To	Description
10:00 AM	LEVEL LOCATION WITH BLADE
8:30 PM	BEGIN SETING RIG ON LOCATION, SEND RIG UP TRUCKS TO RESCUE PATTERSON TRUCK STUCK BRINGING NEW PUMP
6:00 AM	NIGHT SHIFT RIG UP

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 343
DAILY SAFETY MEETING = OFF LOADING TRUCKS
BBL OF WATER USED DAILY= 0
BBL OF WATER USED TOTAL = 1680
GAL. OF DIESEL ON LOCATION=
GAL. OF DIESEL USED DAILY=
GAL. OF DIESEL USED TOTAL=
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS=0
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Operations Date : 6/11/2008
Report # : 5
Depth At 06:00 : 4168.00
Estimated Total Depth : 7471.00

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 2

Morning Operations : DRILLING

Time To	Description
10:30 AM	DRILL, SLIDE & ROTATE FROM 2600'-2985'
11:00 AM	RIG SERVICE, BOP DRILL= 43 SEC, FUNCTION PIPE RAMS & ANNULAR
6:00 AM	DRILL, SURVEY & SLIDE & ROTATE FROM 2985 FT TO 4168 FT. NOTE : BLM REP, WALTON WILLAS, STOPPED BY RIG & DONE RIG INSPECTION ON 6/10/08. EVERY THING OK.

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 346
DAILY SAFETY MEETING = PRESSURE WASHING, PSM, GREASING RIG BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 160
BBL OF WATER USED TOTAL = 4450
GAL. OF DIESEL ON LOCATION= 11374 Gal
GAL. OF DIESEL USED DAILY= 1150 GAL
GAL. OF DIESEL USED TOTAL= 2005 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 41.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG
NOTE: BLM REP, WALTON WILLAS CAME ON RIG 6/10/08 & DONE RIG INSPECTION & EVERY THING OK

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Operations Date : 6/10/2008
Report # : 4
Depth At 06:00 : 2600.00
Estimated Total Depth : 7471.00

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 1

Morning Operations : DRILLING

Time To	Description
10:00 AM	PU, BIT, MOTOR, DIR. TOOLS, ORIENT TOOL FACE, PU BHA & TIH, TAG CEMENT @1465', FLOAT @1473', SHOE @1515', INSTALL ROT RUBBER & CORRISION RING.
10:30 AM	RIG SERVICE, BOP DRILL 56 SEC, FUNCTION PIPE RAMS & ANNULAR
12:00 PM	DRILL CMT, FLOAT, CMT, SHOE & CLN-OUT TO 1515 FT
6:00 AM	DRILL, SURVEY & SLIDE FROM 1515 FT TO 2600 FT

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 345
DAILY SAFETY MEETING = PU BHA, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 0
BBL OF WATER USED TOTAL = 4290
GAL. OF DIESEL ON LOCATION= 3379 Gal
GAL. OF DIESEL USED DAILY= 330 GAL
GAL. OF DIESEL USED TOTAL= 855 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 18 HR DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/12/2008
Report # : 6
Depth At 06:00 : 5213.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M
Spud Date : 6/9/2008 Days From Spud : 3
Morning Operations : DRILLING

Time To	Description
9:00 AM	DRILL, SURVEY, SLIDES & ROTATE FROM 4168 FT TO 4425 FT
9:30 AM	RIG SERVICE, BOP DRILL= 52 SEC, FUNCTION PIPE RAMS
6:00 AM	DRILL, SURVEY, SLIDE & ROTATE FROM 4425 FT TO 5213 FT

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 347
DAILY SAFETY MEETING = MOUSE HOLING DP, SETTING KELLEY BACK, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 0
BBL OF WATER USED TOTAL = 4450
GAL. OF DIESEL ON LOCATION= 9341 Gal
GAL. OF DIESEL USED DAILY= 884 GAL
GAL. OF DIESEL USED TOTAL= 2889 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 65.0 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG
NOTE: 4.5" I-100 NOT AVAILABLE - 7355 FT OF 4.50", 11.6#, P-110 LTC PROD CSG ORDERED FOR 10:00 AM 6/12/08

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/13/2008
Report # : 7
Depth At 06:00 : 6170.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M
Spud Date : 6/9/2008 Days From Spud : 4
Morning Operations : DRILLING

Time To	Description
1:30 PM	DRILL, SURVEY, SLIDE & ROTATE FROM 5213 FT TO 5578 FT
2:00 PM	RIG SERVICE, FUNCTION PIPE RAMS & ANNULAR, BOP DRILL= 31 SEC
6:00 AM	DRILL, ROTATING W/ MWD SURVEYS F/ 5578 FT TO 6170 FT

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 348
DAILY SAFETY MEETING = FORKLIFT SAFETY, PU TOOLS OFF CATWALK, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY=400
BBL OF WATER USED TOTAL = 4850
GAL. OF DIESEL ON LOCATION= 8500 Gal
GAL. OF DIESEL USED DAILY= 841 GAL
GAL. OF DIESEL USED TOTAL= 3730 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 88.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG
NOTE: 4.5" I-100 NOT AVAILABLE - 7355 FT OF 4.50", 11.6#, P-110 LTC PROD CSG Recv'd 173 Jnts Rge 3 Csg + 2 Mkr Jts on 6/12/08

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/14/2008
Report # : 8
Depth At 06:00 : 6870.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 5

Morning Operations : CIRC BOTTEMS UP, PREP FOR TOH

Time To	*Description*
5:30 AM	DRILL, SURVEY, ROTATE & SLIDE F/ 6462 FT TO 6870 FT
12:30 PM	DRILL, SURVEY, SLIDE & ROTATE FROM 6170 FT TO 6462 FT
1:00 PM	RIG SERVICE, FUNCTION PIPE RAMS & ANNULAR, BOP DRILL= 37 SEC
6:00 AM	CIRCULATE BOTTEMS-UP & SLUG PIPE

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 349
DAILY SAFETY MEETING = PUMP REPAIR, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 0
BBL OF WATER USED TOTAL = 4850
GAL. OF DIESEL ON LOCATION= 7555 Gal
GAL. OF DIESEL USED DAILY= 645 GAL
GAL. OF DIESEL USED TOTAL= 4375 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=0
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 111.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG
NOTE: 4.5" I-100 NOT AVAILABLE - 7355 FT OF 4.50", 11.6#, P-110 LTC PROD CSG Recv'd 173 Jnts Rge 3 Csg + 2 Mkr Jts on 6/12/08

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/15/2008
Report # : 9
Depth At 06:00 : 7464.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 6

Morning Operations : TD @7464', CIRC & PREP FOR SHORT TRIP,

Time To	Description
1:00 PM	TOH LAY DOWN DIR TOOLS, CHANGE OUT MOTOR, FUNCTION BLIND RAMS, PU 7 7/8" BIT #2, TIH TO 6821 FT, BROKE CIRC @4407 FT, PRECAUTIONARY WASH & REAM 6821 FT TO TD @6870 FT. FUNCTION BLIND RAMS
1:30 PM	RIG SERVICE, BOP DRILL= 46 SEC, FUNCTION PIPE RAMS
6:00 AM	DRILL 7 7/8" HOLE FROM 6870 FT TO TD @ 7464 FT

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 350
DAILY SAFETY MEETING = PUMP REPAIR, TRIPPING, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 620 BBL
BBL OF WATER USED TOTAL = 5470
GAL. OF DIESEL ON LOCATION= 6818 Gal
GAL. OF DIESEL USED DAILY= 737 GAL
GAL. OF DIESEL USED TOTAL= 5112 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=16.5 Hrs W/ 7 7/8" BIT #2
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 111.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
2 X 4.50" CSG
NOTE: 4.5" I-100 NOT AVAILABLE - 7355 FT OF 4.50", 11.6#, P-110 LTC PROD CSG Recv'd 173 Jnts Rge 3 Csg + 2 Mkr Jts on 6/12/08

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/16/2008
Report # : 10
Depth At 06:00 : 7464.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M
Spud Date : 6/9/2008 Days From Spud : 7
Morning Operations : RUNNING PROD CASING

Time To	Description
7:00 AM	CIRC BOTTEMS UP
8:00 AM	10 STAND SHORT TRIP
9:00 AM	CIRC @TD, SLUG PIPE
11:30 AM	TOH, LD MOTOR & PDC BIT
12:00 PM	PULL WEAR BUSHING, CHG SAVER SUB & CORRISION RING
5:00 PM	S>MTG, RU HES, LOG Open Hole, RWCH, SDL/DSN, HRI F/7446 FT TO SURF @ 1515 FT, RD LOGGERS
8:30 PM	TIH TO 7434 FT, BREAK CIRC @4000 FT
9:00 PM	WASH & REAM 30 FT TO BTM @7464 FT
10:00 PM	CIRC & CONDITION MUD @ TD
5:00 AM	S.MTG, RU LD MACHINE,TOH LD DRL STRING, HAD TIGHT HOLE @7300', PUMPED 11 JTS OUT ON TOH
6:00 AM	S.MTG, RU TO RUN CASING

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 351
DAILY SAFETY MEETING = TRIPPING, LOGGING, LD Drl String, BOP DRILL'S DAY & NITE TOURS
BBL OF WATER USED DAILY= 320 BBL
BBL OF WATER USED TOTAL = 5790
GAL. OF DIESEL ON LOCATION= 6207 Gal
GAL. OF DIESEL USED DAILY= 611 GAL
GAL. OF DIESEL USED TOTAL= 5723 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=16.5 Hrs W/ 7 7/8" BIT #2
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 111.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
174 X 4.50",11.6#, P-110,LTC,R.III P. CSG + 2 MKR JTS =7397 FT ON Racks
(NOTE: Recived 4170.6 FT OF 4.50", 11.6#, P-110 LTC PROD CSG Recv'd 97 Jnts Rge 3 Csg Jts on 6/15/08)

REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear Fed. #2-28D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Operations Date : 6/17/2008
Report # : 11
Depth At 06:00 : 7464.00
Estimated Total Depth : 7471.00

Surface Location : NWNE-28-12S-15E-W26M

Spud Date : 6/9/2008 Days From Spud : 8

Morning Operations : RIG RELEASED @17:00 HR, 6/16/08 TO SKID TO NEXT WELL

Time To	Description
10:30 AM	RUN 177 JTS 4.5", 11.6#, P-110, LT&C PROD CSG W/ 2 x MKR Jts INCLUDED, FLOAT SHOE ON BTM, FLOAT COLLAR & 36 CENTRALIZERS. LAND CASING @7451 FT, KBM
12:00 PM	CIRC & COND, RD CASERS, S.MTG W/ HALCO
2:30 PM	RU HALLIBURTON, P.TEST, PUMP 10 BBL WATER, 20 BBL 9.2# SUPERFLUSH & 10 BBL WATER SPACERS AHEAD, MIX & PUMP 1610 SKS POZ PREMIMUM 50/50- SBM CMT W/ 3% KCL, 0.75% HALAD-322, 0.2% FWCA, 3 #/SK SILICALITE, 0.125 #/SK POLYFLAKE &1.0#/SK GRANULATE TR 1/4 ADDITIVES @13.4 #/GAL, 1.49 YIELD, 7.06 GPS/WTR, 427 BBL SLURRY. DROP PLUG & DISP W/115 BBL 2% KCL WTR. BUMP PLUG @2:20 PM, 6/16/08. REL PRESS & FLOAT HELD, PR PRIOR TO BMP @2.5 BPM SPR @2050#, BMP TO 2550# GOOD RETURNS THRU-OUT, CIRC 2 BBL SLURRY TO SURF. RD HALCO
4:30 PM	SET SLIPS @110K/35K OVER STRING WT, NDBOP'S & CLEAN MUD TANKS
5:00 PM	RD W/CREWS, NOTE: RIG RELEASED TO SKID @5:00 PM ON 6/16/08.

Remarks :

DAYS SINCE LAST LOST TIME ACCIDENT = 352
DAILY SAFETY MEETING = RUN SSG, CEMENTING
BBL OF WATER USED DAILY= 0 BBL
BBL OF WATER USED TOTAL = 5790
GAL. OF DIESEL ON LOCATION= 6207 Gal
GAL. OF DIESEL USED DAILY= GAL
GAL. OF DIESEL USED TOTAL= 5723 GAL
TUBULARS ON PRICKLY PEAR 2-28 LOCATION
1-6 1/2" AKO M.M. S/N 6045 HOURS=16.5 Hrs W/ 7 7/8" BIT #2
1-6 1/2" AKO M.M. S/N 6228 HOURS=0
1-6 1/2" AKO M.M. S/N 6262 HOURS= 111.5 HR TTL. DRLG 8 3/4"
1-8 1/2" SLICK M.M. S/N 0629 HOURS=5 1/2 [DRILLING RAT]
340- 4 1/2" DRILL PIPE
40-4 1/2" HEAVY WEIGHT DRILL PIPE
21-6 1/2" DRILL COLLARS
(NOTE: Recived 4170.6 FT OF 4.50", 11.6#, P-110 LTC PROD CSG Recv'd 97 Jnts Rge 3 Csg Jts on 6/15/08)

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

***SUBMIT IN TRIPLICATE** – Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Weekly Activity Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Waiting on completion (tentatively beginning in September).

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 06/26/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Change in facility layout
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that the facility layout for this well pad has changed as indicated on the attached revised diagram. As per BLM preference, facilities will still be grouped together to allow for maximum reclamation. This change was approved verbally by Steve Rigby, Price BLM field office on July 11, 2008.

If you have any questions or need further information, please contact me at 303-312-8134.

RECEIVED
JUL 16 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 07/14/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

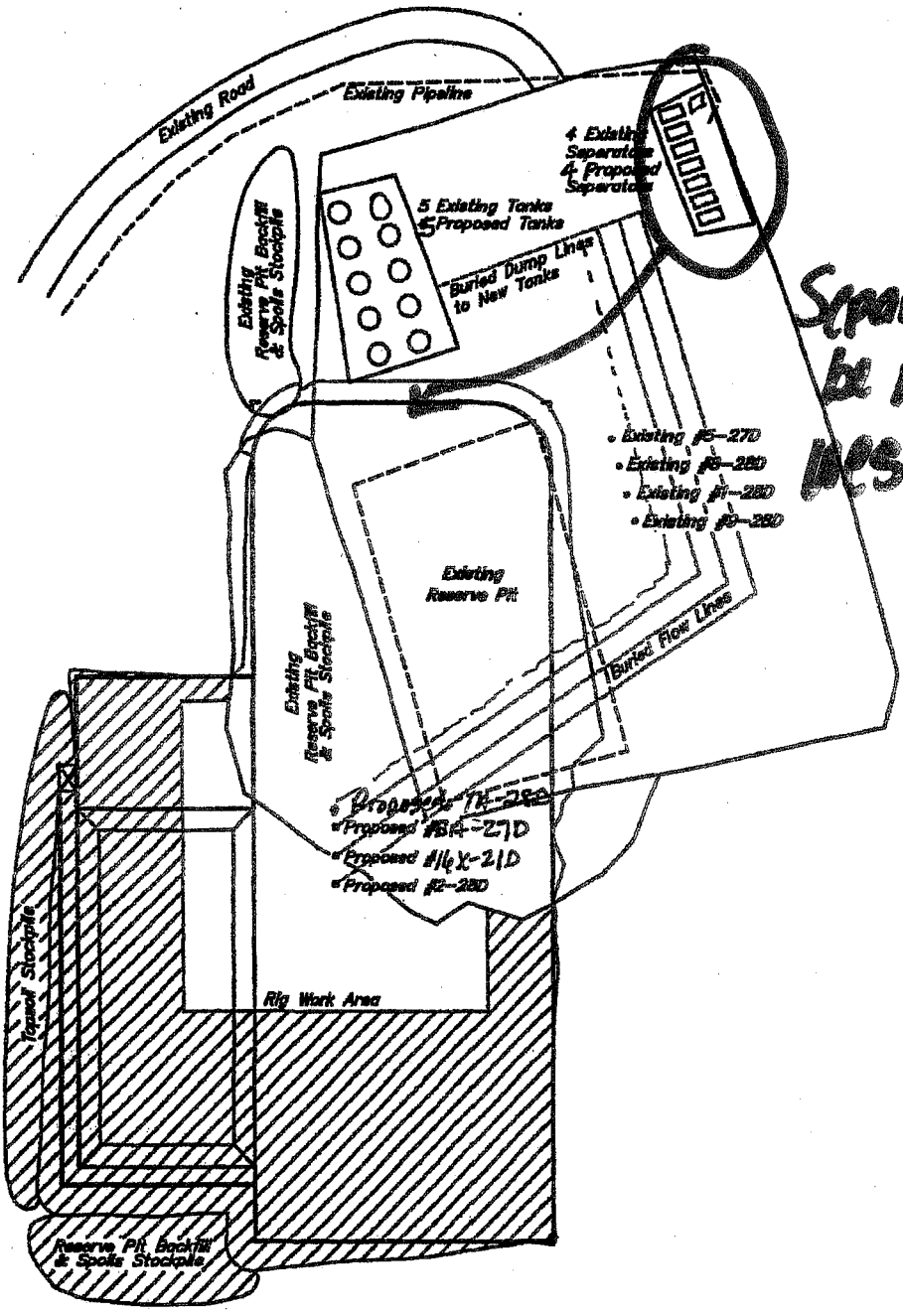
(Instructions on page 2)

BILL BARRETT CORPORATION

PRODUCTION FACILITY LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL #1-28-12-15 PAD
SECTION 28, T12S, R15E, S.L.B.&M.
NW 1/4 NE 1/4

SCALE: 1" = 100'
DATE: 01-18-08
DRAWN BY: C.G.



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

***SUBMIT IN TRIPLICATE** – Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☑ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	_____
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that this well had first sales on August 27, 2008.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 08/28/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
SEP 02 2008
DIV. OF OIL, GAS & MINING

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Weekly Activity Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity reports from 8/21/08 through 8/28/08 (report #'s 3-8).

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracey Fallang	Date 08/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
SEP 08 2008
DIV. OF OIL, GAS & MINING

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/27/2008 Report # : 8

AFE # : 14743D

Summary : Flow back stages 1-8 SI. EI stages 9. Frac #9. Flow stages 1-9. RDMO Wire line & Frac. flow back clean up for production sales.

End Time	Description
4:00 AM	Flow stages 1-8 FCP: 720 PSI ON 42 ck. recovered 605 bbl in 9 hours CO2 high.
5:30 AM	shut in for EL work
6:30 AM	Black Warrior EL stage 9 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5250 ft. PU perforate @ 5165-5175, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
7:30 AM	HES frac stage 9 North Horn 70Q foam frac. Load & break @ 2,802 PSI @ 18.3 BPM. Avg. Wellhead Rate: 28.78 BPM. Avg. Slurry Rate: 11.87 BPM. Avg. CO2 Rate: 15.43 BPM. Avg. Pressure: 4,048 PSI. Max. Wellhead Rate: 29.78 BPM. Max. Slurry Rate: 15.19 BPM. Max. Co2 Rate: 18.98 BPM. Max. Pressure: 4,257 PSI. Total Fluid Pumped: 15,414 Gal. Total Sand in Formation: 64,400 lb. (20/40 White Sand) CO2 Downhole: 95 tons. CO2 Cooldown: 7 tons. ISIP:2,967 PSI. Frac Gradient: 1.01 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
7:45 AM	Opsco start flow back stages 1-9
9:30 AM	rig down HES frac equipment and Black Warrior EL . move off loc. for IPS Coil tbg. unit.
11:59 PM	flow stages 1-9 through Opsco flow equipment.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/26/2008 Report # : 7

AFE # : 14743D

Summary : SICP: 1000 EL stage 5 Frac #5. EL stage 6. Frac #6. EL stage 7. Frac #7. EL stage 8. Frac #8. SI. Flow stages 1-8 through Opsco flow equipment.

End Time	Description
5:30 AM	SICP 1000
7:00 AM	Black Warrior EL stage 5 Upper Dark Canyon. PU HES CFP with 25 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP 6820 ft. PU perforate @ 6717-6742, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
9:00 AM	HES safety Meeting. Work on pump. Pressure test. Frac stage 5 Upper Dark Canyon 70Q foam frac. Load & Break @ 3,991 PSI. @ 11.1 BPM. Avg. Wellhead Rate: 38.21 BPM. Avg. Slurry Rate: 15.45 bpm. Avg. CO2 Rate:21.05 BPM. Avg. Pressure: 5417 PSI. Max. Wellhead Rate: 42.6 BPM. Max. Slurry Rate: 21.1 BPM. Max. Co2 Rate: 24.8 BPM. Max. Pressure: 6,624 PSI. Total Fluid pumped: 21.957 Gal. Total Sand in Formation: 86,900 lb. Had to cut sand due to HES pumps kicking out and spiking sand screening out frac. . pressure increased. pumped 869 sacks of design of 920 sack. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
10:00 AM	Black Warrior. EL stage 6 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6400 ft. PU to perf depth. Pressure up 500 psi over shut in PSI. Perforate @ 6303-6305, 5948-5953, & 5842-5845, # JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
10:30 AM	HES frac stage 6 North Horn 70Q foam frac. Load & Break @5,161 PSI @21 BPM. Pressure climbing to max PSI. at half rate of design.. Shut down in pad stage due to high PSI..
12:00 PM	BWWC reperf middle interval in stage 6 @ 5948-5953. PU 5 ft. perf gun RIH correlate to short jt. Run to perf depth pump KCL water @ 3 BPM. Perforate @ 5948-5953, 3 JSPF< 120 phasing, 29 gram charges, .370 Holes. POOH turn well to frac.
2:00 PM	HES frac stage 6 North Horn 70Q foam frac. Load & break @ 5,161 PSI @ 21 BPM. Avg. Wellhead Rate: 38.89 BPM. Avg. Slurry Rate: 16.58 BPM. Avg. Co2 Rate: 20.4 BPM. Avg. Pressure: 6,029 PSI. Max. Wellhead Rate: 40.46 BPM. Max. Slurry Rate: 20.11 BPM. Max. CO2 Rate: 25,54 BPM. Max. Pressure: 6,432 PSI. Total Fluid Pumped: 33,081 Gal. Total Sand in Formation: 144,500 Lb.(20/40 White Sand) CO2 Downhole: 210 tons. Co2 Cooldown: 15 tons. ISIP:2,910 PSI. Frac Gradient: 0.92 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
3:15 PM	BWWC EL stage 7 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. Run to setting depth set CFP @ 5590ft. PU. pressure up 500 psi over SI. Perforate @ 5480-5490, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/26/2008 Report # : 7

AFE # : 14743D

Summary : SICP: 1000 EL stage 5 Frac #5. EL stage 6. Frac #6. EL stage 7. Frac #7. EL stage 8. Frac #8. SI. Flow stages 1-8 through Opsco flow equipment.

End Time	Description
4:10 PM	HES Frac stage 7 Horth Horn 65Q Foam Frac. Load & break @ 3,576 PSI @ 25 BPM. Avg. Wellhead Rate: 22.2 BPM. Avg. Slurry Rate: 10.4 BPM. Avg. CO2 Rate: 10.6 BPM. Avg. Pressure: 3,771 PSI. Max. Wellhead Rate: 25.4 BPM. Max. Slurry Rate: 13.4 BPM. Max. CO2 Rate: 14.6 BPM. Max. Pressure: 4,119 PSI. Total Fluid Pumped: 11,320 Gal. Total Sand in Formation: 36,300 lb.(20/40 White Sand) CO2 Downhole: 51 tons. CO2 Cooldown: 7 tons. ISIP:3,192 PSI. Frac Gradient: 1.02 psi/ft. Lost prime in CO2 pumps in 1 # sand stage sand jumped to 3.5 # sand. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
5:10 PM	BWWC EL stage 8 North Horn. PU HES CFP with 18 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ Ft. PU perforate @ 5324-5342, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
6:10 PM	HES Frac stage 8 North Horn 60Q foam frac. Load & break @ 3,585 PSI @ 18.1 BPM. Avg. Wellhead Rate: 28.24 BPM . Avg. Slurry Rate: 13.92 BPM. Avg. CO2 Rate: 12.93 BPM. Avg. Pressure: 3,895 PSI. Max.Wellhead Rate: 29.74 BPM. Max. Slurry Rate: 16.68 BPM. Max. CO2 Rate: 17,85 BPM. Max. Pressure: 4,287 PSI.. Total Fluid Pumped: 17,844 Gal. Total Sand in Formation: 64,300 lb. (20/40 White Sand) CO2 Downhole: 80 tons. CO2 Cooldown: 7 tons. ISIP:3,105 PSI. Frac Gradient: 1.02 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
7:00 PM	SI.
11:59 PM	Flow stages 1-8 through Opsco flow equipment.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/25/2008 Report # : 6

AFE # : 14743D

Summary : Flow stages 1-4 shut in

End Time	Description
6:00 AM	flow stages 1-4 FCP: 320 psi on 48 ck. recovered 223 bbl in 24 hours CO2 20% Gas rate : 1.324 MMCFD
8:30 AM	stage 1-4 FCP: 295 on 48 ck. recovered 37 bbl.
11:59 PM	Shut in flowing casing psi under 300 psi. hole psi for frac.

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/24/2008 Report # : 5

AFE # : 14743D

Summary : Flow stages 1-4 through Opsco flow equip,

End Time	Description
6:00 AM	Flow stages 1-4 through Opsco flow equip. FCP: 1070 on 34 ck recovered 908 bbl in 10.5 hours
6:00 AM	flow stages 1-4

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/23/2008 Report # : 4

AFE # : 14743D

Summary : SI. Black Warrior EL stage 1. P.R. HES frac stage 1. BWWC EL stage 2. HES frac stage 2. Problems with HES equipment had to cut sand and flush frac 53.6% of frac in formation. HES work on Blender. El stage 3. Frac #3. El stage 4. frac #4. Si. Flow stages 1-4 through Opsco flow equipment.

End Time	Description
7:00 AM	SI.
8:30 AM	BWWC EL stage 1 Price River. PU 15 ft. perf guns. RIH correlate to short jt. run to perf depth check depth to casing collar. Perforate @ 7267-7282, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
10:10 AM	HES Frac stage 1 Price River 70Q foam frac. Load & Break @ 3,440 PSI @ 10.5 BPM. Avg. Wellhead Rate: 33.7 BPM. Avg. Slurry Rate: 13.7 BPM. Avg. CO2 Rate: 18.5 BPM. Avg. Pressure: 4,866 PSI. Max. Wellhead Rate: 35.3 BPM. Max. Slurry Rate: 17.8 BPM. Max. Co2 Rate: 22.2 BPM. Max. Pressure: 5,261 PSI. Total Fluid Pumped: 22,202 Gal. Total Sand in Formation: 90,000 lb. (20/40 White Sand) CO2 Downhole: 138 tons. CO2 Cooldown: 10 tons. ISIP: 2,770 PSI. Frac Gradient: 0.82 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
11:30 AM	BWWC El stage 2 Price River. PU 15 ft. perf gun with HES CFP RIH correlate to short jt. run to setting depth set CFP @ 7200 ft. PU Perforate @ 7142-7145, 7117-7120, 7078-7084 & 7053-7056. 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
12:30 PM	HES frac stage 2 Price River 70Q foam frac. Load & break @ 5,275 PSI @ 16.8 BPM. Avg. Wellhead Rate:37.7 BPM. Avg. Slurry Rate:14.9 BPM. Avg. CO2 Rate: 21,3 BPM. Avg. Pressure:5,263 PSI. Max. Wellhead Rate:43.7 BPM. Max. Slurry Rate:19.8 BPM. Max. CO2 Rate:26.9 BPM. Max. Pressure: 6,369 PSI. Total Fluid Pumped:23,063 Gal. Total Sand in Formation: 67,500 lb.(20/40 White sand) Cut sand went to flush due to HES equipment problems. Pump rate jumping 3 to4 BPM. Sand jumping 1/2 to 3/4 lb. pressure increasing. CO2 Downhole: 131 tons. CO2 Cooldown: 8 tons. ISIP:2,810 PSI Frac Gradient: 0.83 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal.
2:30 PM	BWWC El stage 3 Price River. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7030 ft. PU perforate P.R. @ 6978-6982 & 6936-6940, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/23/2008 Report # : 4

AFE # : 14743D

Summary : SI. Black Warrior EL stage 1. P.R. HES frac stage 1. BWWC EL stage 2. HES frac stage 2. Problems with HES equipment had to cut sand and flush frac 53.6% of frac in formation. HES work on Blender. El stage 3. Frac #3. El stage 4. frac #4. Si. Flow stages 1-4 through Opsco flow equipment.

End Time	Description
3:45 PM	Hes Frac stage 3 Price River 70Q foam frac. Load & break @ 4,767 PSI @ 14.3 BPM. Avg. Wellhead Rate: 33.3 B PM. Avg. Slurry Rate: 13.7 BPM. Avg. Co2 Rate: 18.1 BPM. Avg. Pressure: 5,234 PSI. Max. Wellhead Rate: 35.2 BPM. Max. Slurry Rate: 17.7 BPM. Max. Co2 Rate:22.2 BPM. Max. Pressure: 5,665 PSI. Total Fluid Pumped: 16,505 Gal. Total Sand in Formation: 57,000 lb. (20/40 White Sand) CO2 Downhole: 98 tons. CO2 Cooldown: 10 tons. ISIP:2,808 PSI. Frac Gradient: 0.84 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
5:30 PM	BWWC El stage 4 Lower Dark Canyon. PU HES CFP with 15 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6910 ft. PU perforate @ 6872-6887, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
6:30 PM	HES frac stage 4 Lower Dark Canyon. Load & Break @5,455 PSI. @ 16 BPM. Avg. Wellhead Rate: 33.5 BPM. Avg. Slurry Rate:13.5 BPM. Avg. CO2 Rate: 18.5 BPM. Avg. Pressure: 5,371 PSI. Max. Wellhead Rate:34.9 BPM. Max. Slurry Rate:17.3 BPM. Max. CO2 Rate: 21.7 BPM. Max. Pressure: 5.907 PSI. Total Fluid Pumped: 19,600 Gal. Total Sand in Formation: 90,000 lb. (20/40 White Sand) CO2 Downhole: 135 tons. CO2 Cooldown: 10 tons. ISIP:3,190 PSI. Frac Gradient: 0.90 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal fluid cap.
5:30 PM	

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs :

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 8/22/2008 Report # : 3

AFE # : 14743D

Summary : SI. Rig HES frac Iron to frac tree. Change out Blenders.

End Time	Description
5:00 PM	SI
6:00 PM	Rig HES iron to frac tree
8:00 PM	rig down Blender. Rig in new Blender.
11:59 PM	SDFN

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *– Other instructions on page 2.*

5. Lease Serial No.
UTU-73670

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear Unit / UTU-079487

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
Prickly Pear Unit Federal 2-28D-12-15

2. Name of Operator
Bill Barrett Corporation

9. API Well No.
43-007-31362

3a. Address
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool or Exploratory Area
Nine Mile/Wasatch-Mesaverde

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NWNE, 650' FNL, 1412' FEL
Sec. 28, T12S-R15E, S.L.B.&M.

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Revised facility layout and oil measurement
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that the facility equipment and oil measurement for this pad has changed. The Prickly Pear 1-28 pad wells (consisting of the 1-28, 5-27D, 8-28D, and 9-28D) were drilled in 2007 and all wells currently produce except for the 9-28D, which is waiting on completion. In June and July of 2008, BBC drilled (currently awaiting completion) four additional wells (2-28D, 16X-21D, 5A-27D, and 1A-28D) off of this pad. All wells are witihin the Prickly Pear unit and within a Participating Area except for the Prickly Pear 9-28D. Per a discussion and verbal approval with Matt Baker, Vernal Field Office, the new equipment and measurement for this pad will be as follows:

(1) 400-bbl oil tank - Combined oil tank for all wells except for the 9-28D
(1) 400-bbl oil tank - Dedicated to the Prickly Pear 9-28D
(1) 400-bbl water tank - Combined water tank for all wells
(1) 400-bbl blowdown tank
(1) 400-bbl test tank

COPY SENT TO OPERATOR
Date: 10·14·2008
Initials: KS

To allocate oil production, a quarterlyy test will be run for each well (except for the 9-28D, which will have its own oil tank) for a 24-hour time period into the 400-bbl test tank. A revised site security diagram will be submitted upon completion.

RECEIVED
SEP 15 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature Tracey Fallang

Date 09/10/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *

Title **Petroleum Engineer**

Date **October 8, 2008**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **Utah Division of Oil, Gas and Mining**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

***Allocation Tests shall be done on a monthly basis for the first 6 months minimum to establish a baseline (water and oil) for the new wells. After review, quarterly allocation tests may then be allowed. Federal Approval of this action is necessary.**

tfallang
CONFIDENTIAL

COPY

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN DUPLICATE

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	5. Lease Serial No. UTU-73670
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
2. Name of Operator Bill Barrett Corporation	9. API Well No. 43-007-31362
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Weekly Activity Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity reports from 9/26/08 through 10/9/08 (report #'s 9-15).

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Environmental/Regulatory Analyst
Signature Tracy Fallang	Date 10/09/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
OCT 14 2008
DIV. OF OIL, GAS & MINING

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/1/2008 Report # : 9

AFE # : 14743D

Summary : MISU Equip. & RU same

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
11:30 AM	trucks. - Trucks broke down.
6:30 PM	Unload trks. - Put annular on BOP - Unload tbg. on racks - RU Air & N2 units - lay pump lines etc. - Change out valves on mud tank. - SDFN
7:30 PM	Crew Travel

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/3/2008 Report # : 11

AFE # : 14743D

Summary : DO CFP`s w/ mud motor

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
8:30 AM	FCP - 200 psi - PU 4 jts. - RU pwr. swivel
5:00 PM	Start air/ N2 units - Est. circ. - DO plug @ 5250' - PU 5 jts. - DO plug @5420' - PU 5 jts. - DO plug @ 5590' - PU 26 jts. -DO plug @ 6400' - PU 13 jts. - DO plug @ 6820'
6:00 PM	Circ. hole clean - Kill tbg.
8:00 PM	Crew Travel
7:00 PM	POOH w / 53 jts.

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/2/2008 Report # : 10

AFE # : 14743D

Summary : ND/NU BOP - PU BHA TIH DO Plugs

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
10:00 AM	FCP - 200 psi. - Add spool to BOP`es - Pump 40 bbls. to kill well - ND Tree / NU BOP`es
10:30 AM	RU Floor & Tbg. equip.
6:00 PM	MU BHA & PU 2 ea. 3 1/8" DC`s, X-over & 155 jts. 2 3/8" tbg. - SDFN.
7:00 PM	Crew Travel

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/5/2008 Report # : 13

AFE # : 14743D

Summary : Fish Tbg. - POOH & LD Mud motor

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
8:30 AM	SICP - 550 psi. - Change out annular element
9:30 AM	MU Overshot - Latch onto fish - Pull up to floor - Release overshot - LD jt. w / galled collar.
1:30 PM	POOH w / tbg. & DC`s - LD mud motor & X-overs
5:00 PM	MU bit & bit sub - TIH w / 198 jts. tbg. - SWIFN
6:00 PM	Crew Travel

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/4/2008 Report # : 12

AFE # : 14743D

Summary : Circ. & DO CFP`s

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
8:00 AM	FCP - 200 psi - PU 56 jts.
11:00 AM	PU pwr. swivel - Start air & N2 - Could not break circ. - Shut down air / N2 units - pump 10 bbls. to top kill well - Hang back pwr. swivel
12:00 PM	LD 20 jts.
6:30 PM	RIH w / 20 jts. - PU pwr. swivel - Break circ. - Start DO on CFP @ 6910' - PU 4 jts. - GIH tag plug - PU to start drilling & tbg. parted 1 jt. down - Hang swivel - PU 2 jts, attempt to screw into tbg., did not work - LD jt. - SWIFN.
2:00 PM	Break circ. - Blow well around to unload fluid
7:30 PM	Crew Travel

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/7/2008 Report # : 15

AFE # : 14743D

Summary : Finish TIH - ND BOP / NU Tree - RDMOSU

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
8:00 AM	SICP - 800 psi. - TIH w / 48 Jts. 2 3/8" tbg. - Install hanger & land hanger.
10:30 AM	ND BOP / NU Tree - RU tbg. flowline - RD floor & allied equip.
6:00 PM	RD rig & allied equip. - Move rig & equip. to PPF # 9 - 28D. - RU rig & equip. - Move tbg. to racks - SDFN.
7:00 PM	Crew Travel

Well Name : **Prickly Pear Fed. #2-28D-12-15** Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NWNE-28-12S-15E-W26M	43-007-31362

Ops Date : 10/6/2008 Report # : 14

AFE # : 14743D

Summary : Finish DO two plugs & CO to PBTD

End Time	Description
7:00 AM	Crew Travel
7:30 AM	Safety Mtg. & Review JSA`s
8:30 AM	SICP - 800 psi. - SITP - 550 psi. - Kill tbg. w/ 10 bbls. Install string float - RU Air / N2 units & Break circ.
9:00 AM	TIH w/ 10 stds. 2 3/8" tbg.
3:00 PM	PU pwr. swivel - Break circ. - DO plug @ 7030' - PU 5 jts. - DO plug @ 7200' - PU 4 jts. - to PBTD @ 7340' - Circ. hole clean.
4:00 PM	LD 73 jts. on racks.
5:30 PM	POOH w/ 153 jts.2 3/8" tbg. - LD 2ea. 3 1/8" DC`s. - BO bit & bit sub
7:00 PM	TIH w/ 105 jts. 2 3/8" tbg. - SWIFN
8:00 PM	Crew Travel

Form 3160-4
(August 2007)

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-73670

1a. Type of Well ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
Prickly Pear / UTU-79487

2. Name of Operator
Bill Barrett Corporation

8. Lease Name and Well No.
Prickly Pear Unit Federal 2-28D-12-15

3. Address 1099 18th Street, Suite 2300
Denver, CO 80202

3a. Phone No. *(include area code)*
303-312-8134

9. AFI Well No.
43-007-31362

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface NWNE, 650' FNL, 1412' FEL

10. Field and Pool or Exploratory
Nine Mile / Wasatch-Mesaverde

11. Sec., T., R., M., on Block and Survey or Area
Sec. 28, T12S-R15E

At top prod. interval reported below NWNE, 615' FNL, 2462' FEL Sec. 28

At total depth NWNE, 584' FNL, 2498' FEL, Sec. 28

12. County or Parish
Carbon County

13. State
UT

14. Date Spudded
05/28/2008

15. Date T.D. Reached
06/15/2008

16. Date Completed 09/07/2008
☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
7505' GL

18. Total Depth: MD 7464'
TVD 7264'

19. Plug Back T.D.: MD 7407'
TVD 7207'

20. Depth Bridge Plug Set: MD N/A
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Triple Combo, CCL/CBL/GR, Mud Log

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" H40	65#	0	40'		grout cement		Surface	
12 1/4"	9 5/8" J-55	36#	0	1515'		420 Premium A	111 bbls	Surface	
8 3/4" &	4 1/2" I-100	11.6#	0	7451'		1610 50/50 Poz	427 bbls	870'	
7 7/8"									

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch (incl North Horn)	5165'	6305'	5165' - 5175'	0.37"	30	Open
B) Mesa Verde	6717'	7282'	5324' - 5342'	0.37"	54	Open
C)			5480' - 5490'	0.37"	30	Open
D)			5842' - 6305'	0.37"	30	Open

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5165' - 5175'	Stage 9: 70% CO2 foam frac: 95 tons CO2; 504 bbls total fluid; 64,400# 20/40 White sand
5324' - 5342'	Stage 8: 70% CO2 foam frac: 80 tons CO2; 544 bbls total fluid; 64,300# 20/40 White sand
5480' - 5490'	Stage 7: 70% CO2 foam frac: 51 tons CO2; 400 bbls total fluid; 36,300# 20/40 White sand
5842' - 6305'	Stage 6: 70% CO2 foam frac: 210 tons CO2; 951 bbls total fluid; 144,500# 20/40 White sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/27/08	9/07/08	24	→	1.0	629	0.02			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
30/64"	0	225	→	1.0	629	0.02		Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED
OCT 27 2008
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Wasatch	2984'
				North Horn	4993'
				Dark Canyon	6697'
				Price River	6900'
				TD	7464'

32. Additional remarks (include plugging procedure):

Copies of logs previously submitted under separate cover. In the event log copies were not received, please contact Jim Kinser at 303-312-8163. 7 7/8" hole started at 6870'. Tubing has not been landed in this well. A revised report will be submitted at that time.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Tracey Fallang Title Regulatory Analyst

Signature Tracey Fallang Date 10/24/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Prickly Pear Unit Federal #2-28D-12-15 Report Continued

26. PERFORATION RECORD (cont.)					27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)							
INTERVAL (Top/Bot-MD)		SIZE	NO. HOLES	PERFORATION STATUS	AMOUNT AND TYPE OF MATERIAL							
6717'	6742'	0.37"	75	Open	Stg 5	70% CO2 foam frac:	135	tons CO2	715	bbls total fluid	86,900#	20/40 White Sand
6872'	6887'	0.37"	45	Open	Stg 4	70% CO2 foam frac:	135	tons CO2	614	bbls total fluid	90,000#	20/40 White Sand
6936'	6982'	0.37"	24	Open	Stg 3	70% CO2 foam frac:	98	tons CO2	558	bbls total fluid	57,000#	20/40 White Sand
7053'	7145'	0.37"	45	Open	Stg 2	70% CO2 foam frac:	131	tons CO2	712	bbls total fluid	67,500#	20/40 White Sand
7267'	7282'	7737'	45	Open	Stg 1	70% CO2 foam frac:	138	tons CO2	683	bbls total fluid	90,000#	20/40 White Sand

*Depth intervals for frac information same as perforation record intervals.

Directional Surveys

WELLCORE

Location Information

Business Unit	Phase/Area	Surface Location
Operations	West Tavaputs	NWNE-28-12S-15E-W26M
Project	Well Name	Main Hole
Uinta	Prickly Pear Fed. #2-28D-12-15	

Bottom Hole Information

UWI	API / License #
NWNE-28-12S-15E-W26M	43-007-31362

Survey Section Details

Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
Main	1575.00	6/9/2008	1575.00	1575.00	

Survey Information

Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
WEATHERFORD	270.68	11.77

Details — Corrected

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	0.00	0.00	0.00	0.00	17.00	0.00	N	0.00	E	0.00	0.00
	1587.00	0.23	283.06	1586.99	-1569.99	0.72	N	3.10	W	3.11	0.01
	1684.00	1.75	256.62	1683.97	-1666.97	0.42	N	4.73	W	4.74	1.60
	1780.00	3.63	267.99	1779.85	-1762.85	0.02	S	9.20	W	9.20	2.03
	1876.00	5.81	276.24	1875.51	-1858.51	0.40	N	17.06	W	17.07	2.37
	1972.00	8.19	272.74	1970.77	-1953.77	1.25	N	28.72	W	28.74	2.52
	2069.00	10.44	270.87	2066.48	-2049.48	1.72	N	44.41	W	44.43	2.34
	2165.00	12.31	267.99	2160.58	-2143.58	1.49	N	63.34	W	63.35	2.04
	2261.00	14.06	266.12	2254.04	-2237.04	0.34	N	85.20	W	85.20	1.88
	2358.00	16.00	264.49	2347.70	-2330.70	1.74	S	110.26	W	110.23	2.05
	2454.00	18.38	265.62	2439.40	-2422.40	4.17	S	138.52	W	138.46	2.50
	2550.00	20.94	267.24	2529.78	-2512.78	6.15	S	170.75	W	170.66	2.73
	2646.00	23.13	268.37	2618.75	-2601.75	7.51	S	206.73	W	206.63	2.32
	2742.00	25.13	269.49	2706.35	-2689.35	8.23	S	245.96	W	245.85	2.14
	2839.00	24.31	271.12	2794.46	-2777.46	8.02	S	286.52	W	286.40	1.10
	2935.00	24.81	269.74	2881.77	-2864.77	7.73	S	326.42	W	326.30	0.79
	3031.00	25.44	269.87	2968.68	-2951.68	7.87	S	367.18	W	367.06	0.66
	3127.00	26.44	269.12	3055.01	-3038.01	8.24	S	409.17	W	409.04	1.10
	3223.00	26.69	268.24	3140.87	-3123.87	9.23	S	452.09	W	451.94	0.49
	3319.00	26.06	267.74	3226.88	-3209.88	10.72	S	494.71	W	494.54	0.70
	3416.00	26.31	267.12	3313.93	-3296.93	12.64	S	537.47	W	537.28	0.38
	3510.00	25.44	265.74	3398.50	-3381.50	15.19	S	578.40	W	578.18	1.13
	3606.00	25.06	266.12	3485.33	-3468.33	18.10	S	619.25	W	618.99	0.43
	3702.00	25.25	267.12	3572.22	-3555.22	20.50	S	659.99	W	659.70	0.49
	3798.00	25.69	268.24	3658.89	-3641.89	22.17	S	701.23	W	700.92	0.68
	3895.00	25.31	271.74	3746.44	-3729.44	22.19	S	742.97	W	742.66	1.60
	3991.00	25.50	274.99	3833.16	-3816.16	19.77	S	784.07	W	783.78	1.47
	4087.00	24.50	274.24	3920.16	-3903.16	16.50	S	824.51	W	824.25	1.09
	4182.00	22.44	276.62	4007.29	-3990.29	12.95	S	862.16	W	861.95	2.39
	4278.00	20.50	279.24	4096.61	-4079.61	8.14	S	896.95	W	896.79	2.25
	4375.00	17.88	281.37	4188.20	-4171.20	2.48	S	928.32	W	928.22	2.80
	4471.00	15.31	285.12	4280.18	-4263.18	3.74	N	955.00	W	954.98	2.90
	4567.00	12.25	285.12	4373.38	-4356.38	9.70	N	977.07	W	977.11	3.19
	4663.00	10.69	283.87	4467.45	-4450.45	14.49	N	995.54	W	995.65	1.65
	4759.00	8.88	280.37	4562.05	-4545.05	17.96	N	1011.48	W	1011.62	1.98
	4856.00	6.94	282.12	4658.11	-4641.11	20.53	N	1024.57	W	1024.74	2.02
	4952.00	5.81	284.87	4753.51	-4736.51	23.00	N	1034.94	W	1035.14	1.22
	5048.00	4.19	291.62	4849.14	-4832.14	25.54	N	1042.89	W	1043.12	1.79
	5143.00	2.75	313.12	4943.95	-4926.95	28.37	N	1047.78	W	1048.05	2.02
	5239.00	2.06	352.24	5039.87	-5022.87	31.66	N	1049.70	W	1050.00	1.81
	5336.00	1.75	357.49	5136.81	-5119.81	34.87	N	1050.00	W	1050.34	0.37
	5431.00	1.50	353.99	5231.78	-5214.78	37.55	N	1050.19	W	1050.56	0.28
	5528.00	1.31	346.49	5328.75	-5311.75	39.89	N	1050.58	W	1050.98	0.27
	5624.00	1.25	345.49	5424.72	-5407.72	41.97	N	1051.10	W	1051.53	0.07
	5720.00	1.25	335.37	5520.70	-5503.70	43.94	N	1051.80	W	1052.25	0.23

Directional Surveys

WELLCORE

Location Information

Business Unit	Phase/Area	Surface Location
Operations	West Tavaputs	NWNE-28-12S-15E-W26M
Project	Well Name	Main Hole
Uinta	Prickly Pear Fed. #2-28D-12-15	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	5816.00	1.25	330.99	5616.68	-5599.68	45.81	N	1052.75	W	1053.22	0.10
	5912.00	1.44	331.49	5712.65	-5695.65	47.78	N	1053.83	W	1054.32	0.20
	6008.00	1.63	327.99	5808.62	-5791.62	50.00	N	1055.13	W	1055.65	0.22
	6104.00	1.75	318.24	5904.57	-5887.57	52.25	N	1056.83	W	1057.37	0.32
	6200.00	1.88	317.74	6000.53	-5983.53	54.51	N	1058.86	W	1059.44	0.14
	6296.00	2.06	319.49	6096.47	-6079.47	56.99	N	1061.04	W	1061.65	0.20
	6392.00	1.88	317.99	6192.41	-6175.41	59.47	N	1063.22	W	1063.85	0.20
	6489.00	2.06	321.12	6289.35	-6272.35	62.01	N	1065.38	W	1066.04	0.22
	6585.00	1.75	321.27	6385.30	-6368.30	64.49	N	1067.38	W	1068.07	0.32
	6681.00	1.19	280.62	6481.27	-6464.27	65.82	N	1069.27	W	1069.98	1.20
	6776.00	1.19	269.62	6576.25	-6559.25	66.00	N	1071.23	W	1071.94	0.24
	6820.00	1.19	271.99	6620.24	-6603.24	66.01	N	1072.14	W	1072.85	0.11
	6870.00	1.19	271.99	6670.23	-6653.23	66.05	N	1073.18	W	1073.89	0.00
	7464.00	1.19	271.99	7264.10	-7247.10	66.47	N	1085.51	W	1086.22	0.00

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

COPY

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☑ Gas Well ☐ Other	7. If Unit of CA/Agreement, Name and/or No. Prickly Pear Unit / UTU-079487
2. Name of Operator Bill Barrett Corporation	8. Well Name and No. Prickly Pear Unit Federal 2-28D-12-15
3a. Address 1099 18th Street, Suite 2300, Denver, CO 80202 3b. Phone No. *(include area code)* 303-312-8134	9. API Well No. 43-007-31362 10. Field and Pool or Exploratory Area Nine Mile/Wasatch-Mesaverde
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* NWNE, 650' FNL, 1412' FEL Sec. 28, T12S-R15E, S.L.B.&M.	11. Country or Parish, State Carbon County, UT
	5. Lease Serial No. UTU-73670 6. If Indian, Allottee or Tribe Name N/A

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Pit Closure Extension
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted to request an extension to the 90-day pit closure/reclamation COAs in the APDs issued on this pad. BBC will resume activities to evaporate this pit in the Spring/Summer of 2009, with an extension request through September 2009. BBC will ensure that this pit is fenced on all four sides and that there is sufficient freeboard to account for additional precipitation. A list of the additional wells on this pad is attached.

If you have any questions or need further information, please contact me at 303-312-8134.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Tracey Fallang	Title Regulatory Analyst
Signature Tracy Fallang	Date 10/28/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
NOV 03 2008
DIV. OF OIL, GAS & MINING

WELL NAME	LEASE
Prickly Pear UF 2-28D-12-15	UTU-73670
Prickly Pear UF 16X-21D-12-15	UTU-73670
Prickly Pear UF 5A-27D-12-15	UTU-0137844
Prickly Pear UF 1A-28D-12-15	UTU-73670

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

5. Lease Serial No.
see attached

6. If Indian, Allottee or Tribe Name
N/A

COPY

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear/UTU-79487

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
see attached PPU Fed 2-28D-12-15

2. Name of Operator
Bill Barrett Corporation

9. API Well No.
43 007 31362

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool or Exploratory Area
see attached/Wasatch-Mesaverde

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
see attached 12S 15E 28

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Revised layout and measurement
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundy is being submitted as a follow up to clarify testing/allocation methods for the attached wells.

Initial testing would occur (or has occurred) as soon as possible after production is established and would be a 1-3 day test to get a baseline for allocation. After the intial test is performed, BBC would move to quarterly testing, testing each well for 7-10 days and rotating through the wells without any downtime between tests. Revised site security diagrams will be submitted as wells are completed.

COPY SENT TO OPERATOR
Date: 2.24.2009
Initials: KS

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Tracey Fallang

Title Regulatory Analyst

Signature Tracey Fallang

Date 02/10/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Pet-Eng

Date 2/17/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office DOGM

Federal Approval Of This Action Is Necessary

RECEIVED
FEB 17 2009
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

WELL NAME	FIELD	COUNTY	QTR/QTR	SEC	TWN-RNG	FOOTAGE CALLS					LEASE #	# OF TANKS
PRICKLY PEAR U FED 1-28-12-15	NINE MILE CANYON	CARBON	NENE	28	12S-15E	805	N	1184	E		UTU-73670	(2) Multiple Well Prod Tanks (1) Prod Tank (9-28D) (1) Test Tank (1) Blowdown Tank
PRICKLY PEAR U FED 5-27D-12-15	NINE MILE CANYON	CARBON	NENE	28	12S-15E	795	N	1154	E		UTU-0137844	
PRICKLY PEAR U FED 8-28D-12-15	NINE MILE CANYON	CARBON	NENE	28	12S-15E	800	N	1169	E		UTU-73670	
PRICKLY PEAR U FED 9-28D-12-15	NINE MILE CANYON	CARBON	NENE	28	12S-15E	811	N	1199	E		UTU-73670	
PRICKLY PEAR U FED 2-28D-12-15	NINE MILE CANYON	CARBON	NWNE	28	12S-15E	650	N	1412	E		UTU-73670	
PRICKLY PEAR U FED 5A-27D-12-15	NINE MILE CANYON	CARBON	NWNE	28	12S-15E	648	N	1380	E		UTU-0137844	
PRICKLY PEAR U FED 16X-21D-12-15	NINE MILE CANYON	CARBON	NWNE	28	12S-15E	649	N	1396	E		UTU-73670	
PRICKLY PEAR U FED 1A-28D-12-15	NINE MILE CANYON	CARBON	NWNE	28	12S-15E	648	N	1364	E		UTU-73670	
PRICKLY PEAR U FED 11-15D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	560	N	1992	W		UTU-65773	(3) Multiple Well Prod Tanks (1) Test Tank (1) Blowdown Tank
PRICKLY PEAR U FED 3-22-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	550	N	2039	W		UTU-011604	
PRICKLY PEAR U FED 5-22D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	557	N	2008	W		UTU-011604	
PRICKLY PEAR U FED 7-22D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	553	N	2023	W		UTU-011604	
PRICKLY PEAR U FED 14-15D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	712	N	2294	W		UTU-65773	
PRICKLY PEAR U FED 6-22D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	716	N	2279	W		UTU-011604	
PRICKLY PEAR U FED 13-15D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	719	N	2263	W		UTU-65773	
PRICKLY PEAR U FED 4-22D-12-15	PRICKLY PEAR	CARBON	NENW	22	12S-15E	722	N	2247	W		UTU-011604	
PRICKLY PEAR UNIT 21-2	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1620	N	1247	W		UTU-73670	(4) Multiple Well Prod Tanks (1) Test Tank (1) Blowdown Tank
PRICKLY PEAR U FED 12-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1609	N	1256	W		UTU-73670	
PRICKLY PEAR U FED 11-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1597	N	1266	W		UTU-73670	
PRICKLY PEAR U FED 4-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1585	N	1277	W		UTU-73670	
PRICKLY PEAR U FED 6-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1574	N	1288	W		UTU-73670	
PRICKLY PEAR U FED 3-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1562	N	1298	W		UTU-73670	
PRICKLY PEAR U FED 5-21D-12-15	NINE MILE CANYON	CARBON	SWNW	21	12S-15E	1550	N	1309	W		UTU-73670	
PRICKLY PEAR U FED 13-22-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	836	S	451	W		UTU-011604	(5) Multiple Well Prod Tanks (1) Test Tank (1) Blowdown Tank
PRICKLY PEAR U FED 3-27D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	815	S	475	W		UTU-0137844	
PRICKLY PEAR U FED 4-27D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	825	S	463	W		UTU-0137844	
PRICKLY PEAR U FED 4A-27D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	848	S	471	W		UTU-0137844	
PRICKLY PEAR U FED 14-22D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	858	S	459	W		UTU-011604	
PRICKLY PEAR U FED 11-22D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	869	S	447	W		UTU-011604	
PRICKLY PEAR U FED 12-22D-12-15	NINE MILE CANYON	CARBON	SWSW	22	12S-15E	879	S	434	W		UTU-011604	
PRICKLY PEAR U FED 1-20-12-15	NINE MILE CANYON	CARBON	NENE	20	12S-15E	689	N	777	E		UTU-073669	(3) Multiple Well Prod Tanks (1) Test Tank (1) Blowdown Tank
PRICKLY PEAR U FED 8-20D-12-15	NINE MILE CANYON	CARBON	NENE	20	12S-15E	700	N	755	E		UTU-073669	
PRICKLY PEAR U FED 1A-20D-12-15	NINE MILE CANYON	CARBON	NENE	20	12S-15E	684	N	760	E		UTU-073669	
PRICKLY PEAR U FED 2-20D-12-15	NINE MILE CANYON	CARBON	NENE	20	12S-15E	669	N	765	E		UTU-073669	

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

COPY

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
UTU-73670

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear Unit / UTU-079487

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
Prickly Pear Unit Federal 2-28D-12-15

2. Name of Operator
Bill Barrett Corporation

9. API Well No.
43-007-31362

3a. Address
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. *(include area code)*
303-312-8134

10. Field and Pool or Exploratory Area
Nine Mile/Wasatch-Mesaverde

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NWNE, 650' FNL, 1412' FEL
Sec. 28, T12S-R15E, S.L.B.&M.

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Pit Evaporation Method
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that BBC will utilize enhanced evaporation methods to evaporate the contents of the reserve pit.
The evaporation system consists of a portable pump with a suction hose and a discharge line fitted with sprinkler nozzles. The pump is set to detect wind speed and to shut the system down if wind speed exceeds 10 mph. Non-permeable overspray walls are placed around the perimeter to prevent spray drift.
Evaporation operations are performed by a third party contractor and observed on a daily basis.

If you have any questions or need further information, please contact me at 303-312-8134.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Tracey Fallang

Title Regulatory Analyst

Signature Tracey Fallang

Date 05/26/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
JUN 01 2009
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/1/2014**

FROM: (Old Operator):	**TO:** (New Operator):
N2165-Bill Barrett Corporation	N4040-EnerVest Operating, LLC
1099 18th Street, Suite 230	1001 Fannin Street, Suite 800
Denver, CO 80202	Houston, TX 77002
Phone: 1 (303) 312-8134	Phone: 1 (713) 659-3500

CA No. **Unit:** **Prickly Pear**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/7/2014
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2014
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/28/2014
4a. Is the new operator registered in the State of Utah: _____ Business Number: 8850806-0161
5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
5b. Inspections of LA PA state/fee well sites complete on: Yes
5c. Reports current for Production/Disposition & Sundries on: 1/24/2014
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Yes

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 1/28/2014
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 1/28/2014
3. Bond information entered in RBDMS on: 1/28/2014
4. Fee/State wells attached to bond in RBDMS on: 1/28/2014
5. Injection Projects to new operator in RBDMS on: 1/28/2014
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 1/7/2014
7. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 1/7/2014

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: RLB7886
2. Indian well(s) covered by Bond Number: RLB7886
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B008371
3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/28/2014

COMMENTS:

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	Federal	GW	APD
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	Federal	GW	APD
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	Federal	GW	APD
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	Federal	GW	APD
PRICKLY PEAR U FED 12-7D-12-15	7	120S	150E	4300750094		Federal	Federal	GW	APD
PRICKLY PEAR U FED 11-7D-12-15	7	120S	150E	4300750095		Federal	Federal	GW	APD
PRICKLY PEAR U FED 13-7D-12-15	7	120S	150E	4300750096		Federal	Federal	GW	APD
PRICKLY PEAR U FED 14-7D-12-15	7	120S	150E	4300750097		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-8D-12-15	8	120S	150E	4300750124		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-8D-12-15	8	120S	150E	4300750125		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-8D-12-15	8	120S	150E	4300750126		Federal	Federal	GW	APD
PRICKLY PEAR UF 14-8D-12-15	8	120S	150E	4300750127		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	Federal	GW	APD
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	Federal	GW	APD
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	Federal	GW	APD
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-18D-12-15	7	120S	150E	4300750185		Federal	Federal	GW	APD
PRICKLY PEAR UF 4A-18D-12-15	7	120S	150E	4300750186		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-7D-12-15	7	120S	150E	4300750187		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-18D-12-15	7	120S	150E	4300750188		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-7D-12-15	7	120S	150E	4300750189		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-7D-12-15	7	120S	150E	4300750190		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-7D-12-15	7	120S	150E	4300750191		Federal	Federal	GW	APD
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220		Federal	Federal	GW	APD

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224		Federal	Federal	GW	APD
PRICKLY PEAR UF 1A-18D-12-15	7	120S	150E	4300750225		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-18D-12-15	7	120S	150E	4300750226		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-7D-12-15	7	120S	150E	4300750227		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-7D-12-15	7	120S	150E	4300750228		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-7D-12-15	7	120S	150E	4300750229		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-7D-12-15	7	120S	150E	4300750230		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-8D-12-15	8	120S	150E	4300750236		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-8D-12-15	8	120S	150E	4300750238		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-8D-12-15	8	120S	150E	4300750239		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-8D-12-15	8	120S	150E	4300750240		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-8D-12-15	8	120S	150E	4300750260		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-8D-12-15	8	120S	150E	4300750261		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-8D-12-15	8	120S	150E	4300750262		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-8D-12-15	8	120S	150E	4300750263		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-8D-12-15	8	120S	150E	4300750264		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-8D-12-15	8	120S	150E	4300750265		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-8D-12-15	8	120S	150E	4300750266		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-8D-12-15	8	120S	150E	4300750267		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-8D-12-15	8	120S	150E	4300750268		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-8D-12-15	8	120S	150E	4300750269		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-8D-12-15	8	120S	150E	4300750270		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-8D-12-15	8	120S	150E	4300750271		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-8D-12-15	8	120S	150E	4300750272		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-8D-12-15	8	120S	150E	4300750273		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-9D-12-15	9	120S	150E	4300750274		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-9D-12-15	9	120S	150E	4300750275		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-9D-12-15	9	120S	150E	4300750276		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-9D-12-15	9	120S	150E	4300750277		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-9D-12-15	9	120S	150E	4300750278		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-9D-12-15	9	120S	150E	4300750279		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-9D-12-15	9	120S	150E	4300750280		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-9D-12-15	9	120S	150E	4300750281		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-9D-12-15	9	120S	150E	4300750282		Federal	Federal	GW	APD
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283		State	Federal	GW	APD
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288		Federal	Federal	GW	APD
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298		Federal	Federal	GW	APD

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303		Federal	Federal	GW	APD
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304		Federal	Federal	GW	APD
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-7D-12-15	7	120S	150E	4300750309		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-7D-12-15	7	120S	150E	4300750311		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-7D-12-15	7	120S	150E	4300750313		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-7D-12-15	7	120S	150E	4300750314		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-7D-12-15	7	120S	150E	4300750315		Federal	Federal	GW	APD
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317		Federal	Federal	GW	APD
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-7D-12-15	7	120S	150E	4300750320		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-7D-12-15	7	120S	150E	4300750325		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-7D-12-15	7	120S	150E	4300750329		Federal	Federal	GW	APD
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-7D-12-15	7	120S	150E	4300750331		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-10D-12-15	9	120S	150E	4300750332		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-10D-12-15	9	120S	150E	4300750333		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-10D-12-15	9	120S	150E	4300750334		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-10D-12-15	9	120S	150E	4300750335		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-10D-12-15	9	120S	150E	4300750336		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-10D-12-15	9	120S	150E	4300750338		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-10D-12-15	9	120S	150E	4300750339		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-10D-12-15	9	120S	150E	4300750340		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-9D-12-15	9	120S	150E	4300750341		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-9D-12-15	9	120S	150E	4300750342		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-9D-12-15	9	120S	150E	4300750343		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-9D-12-15	9	120S	150E	4300750344		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-9D-12-15	9	120S	150E	4300750345		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-9D-12-15	9	120S	150E	4300750346		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	Federal	GW	APD
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	Federal	GW	OPS
PRICKLY PEAR US 1A-16D-12-15	9	120S	150E	4300750192	14794	State	Federal	GW	OPS
PRICKLY PEAR US 2A-16D-12-15	9	120S	150E	4300750193	14794	State	Federal	GW	OPS
PRICKLY PEAR US 2-16D-12-15	9	120S	150E	4300750194	14794	State	Federal	GW	OPS
PRICKLY PEAR UF 9A-9D-12-15	9	120S	150E	4300750196	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 10-9D-12-15	9	120S	150E	4300750197	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 10A-9D-12-15	9	120S	150E	4300750198	14794	Federal	Federal	GW	OPS

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 14-9D-12-15	9	120S	150E	4300750199	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 14A-9D-12-15	9	120S	150E	4300750200	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 15-9D-12-15	9	120S	150E	4300750201	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 15A-9D-12-15	9	120S	150E	4300750203	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 16A-9D-12-15	9	120S	150E	4300750204	14794	Federal	Federal	GW	OPS
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794	Federal	Federal	GW	P
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794	State	State	GW	P
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794	State	State	GW	P
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794	State	State	GW	P
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794	State	State	GW	P
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794	State	State	GW	P
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794	Federal	Federal	GW	P
PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	Federal	GW	P
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	State	GW	P
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	State	GW	P
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	State	GW	P
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	Federal	GW	P
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	Federal	GW	P
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	Federal	GW	P
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	Federal	GW	P
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	Federal	GW	P
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	Federal	GW	P
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	Federal	GW	P
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	Federal	GW	P
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	Federal	GW	P
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	Federal	GW	P
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	Federal	GW	P
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	Federal	GW	P
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	Federal	GW	P
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	Federal	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	Federal	GW	P
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	Federal	GW	P
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	Federal	GW	P
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	Federal	GW	P
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	Federal	GW	P
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	Federal	GW	P
PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794	Federal	Federal	GW	P
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794	Federal	Federal	GW	P
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794	Federal	Federal	GW	P
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794	Federal	Federal	GW	P
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794	Federal	Federal	GW	P
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794	State	State	GW	P
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794	State	State	GW	P
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794	State	State	GW	P
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794	Federal	Federal	GW	P
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794	Federal	Federal	GW	P
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794	Federal	Federal	GW	P
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794	Federal	Federal	GW	P
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794	Federal	Federal	GW	P
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794	Federal	Federal	GW	P
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794	Federal	Federal	GW	P
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794	Federal	Federal	GW	P
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794	Federal	Federal	GW	P
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794	Federal	Federal	GW	P
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794	Federal	Federal	GW	P
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794	Federal	Federal	GW	P
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794	Federal	Federal	GW	P
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794	Federal	Federal	GW	P
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794	Federal	Federal	GW	P
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794	Federal	Federal	GW	P
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794	Federal	Federal	GW	P
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794	Federal	Federal	GW	P
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794	Federal	Federal	GW	P
PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794	Federal	Federal	GW	P
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794	Federal	Federal	GW	P
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794	Federal	Federal	GW	P
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794	Federal	Federal	GW	P
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794	Federal	Federal	GW	P
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794	State	State	GW	P
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794	State	State	GW	P
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794	State	State	GW	P
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794	State	State	GW	P
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794	Federal	Federal	GW	P
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794	State	State	GW	P
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794	State	State	GW	P
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794	State	State	GW	P
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794	State	State	GW	P
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794	State	State	GW	P
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794	State	State	GW	P
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794	State	State	GW	P
PPU FED 10-7D-12-15	7	120S	150E	4300731470	14794	Federal	Federal	GW	P
PPU FED 15-7D-12-15	7	120S	150E	4300731471	14794	Federal	Federal	GW	P
PPU FED 9-7D-12-15	7	120S	150E	4300731472	14794	Federal	Federal	GW	P
PPU FED 16-7D-12-15	7	120S	150E	4300731473	14794	Federal	Federal	GW	P
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794	State	State	GW	P
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794	State	State	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794	State	State	GW	P
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794	State	State	GW	P
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794	State	State	GW	P
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794	State	State	GW	P
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794	State	State	GW	P
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794	State	State	GW	P
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794	State	State	GW	P
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794	State	State	GW	P
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-8D-12-15	8	120S	150E	4300750059	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-8D-12-15	8	120S	150E	4300750060	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-17D-12-15	8	120S	150E	4300750061	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1A-17D-12-15	8	120S	150E	4300750062	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794	Federal	Federal	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16A-8D-12-15	8	120S	150E	4300750140	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 15A-8D-12-15	8	120S	150E	4300750141	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13A-9D-12-15	8	120S	150E	4300750142	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13-9D-12-15	8	120S	150E	4300750143	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-9D-12-15	8	120S	150E	4300750144	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 10-8D-12-15	8	120S	150E	4300750145	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-8D-12-15	8	120S	150E	4300750146	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-17D-12-15	8	120S	150E	4300750147	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-9D-12-15	9	120S	150E	4300750195	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16-9D-12-15	9	120S	150E	4300750202	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289	Federal	Federal	GW	P
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290	Federal	Federal	GW	P
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794	State	State	GW	S
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	Federal	GW	S
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223	Federal	Federal	GW	S
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794	Federal	Federal	GW	S

COPY

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: (see attached well list)

2. NAME OF OPERATOR: ENERVEST OPERATING, LLC

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002

PHONE NUMBER: (713) 659-3500

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2014	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ENERVEST OPERATING, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO ENERVEST OPERATING, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 1/1/2014. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

EnerVest Operating, L.L.C.
1001 Fannin, Suite 800
Houston, Texas 77002
713-659-3500
(BLM BOND # RLB 7886, STATE/FEE BOND # B008371)

BILL BARRETT CORPORATION

Duane Zavadil NAME (PLEASE PRINT)

SIGNATURE

Senior Vice President -
EH&S, Government and Regulatory Affairs N2165

ENERVEST OPERATING, LLC

Ronnie L Young NAME (PLEASE PRINT)

SIGNATURE

DIRECTOR - REGULATORY N4040

NAME (PLEASE PRINT) RONNIE YOUNG TITLE DIRECTOR - REGULATORY

SIGNATURE DATE 12/10/2013

(This space for State use only) APPROVED

JAN 28 2014

DIV. OIL, GAS & MINING

BY: Rachel Medina

RECEIVED

JAN 07 2014

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

UDOGM CHANGE OF OPERATOR WELL LIST

Well Name	Sec	TWN	RNG	API Number	Entity	Lease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	WI	A	
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465		Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469		Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E	4300750095		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E	4300750096		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E	4300750126		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E	4300750127		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182		Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188		Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E	4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E	4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E	4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E	4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E	4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E	4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E	4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E	4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E	4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E	4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E	4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E	4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E	4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E	4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E	4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E	4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E	4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E	4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E	4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E	4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E	4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E	4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E	4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E	4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E	4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E	4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E	4300750273	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E	4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E	4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E	4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E	4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E	4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E	4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E	4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E	4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E	4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E	4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E	4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E	4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E	4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E	4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E	4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E	4300750325		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E	4300750329		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E	4300750331		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E	4300750332		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E	4300750333		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E	4300750334		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E	4300750335		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E	4300750336		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E	4300750338		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E	4300750339		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E	4300750340		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E	4300750341		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E	4300750342		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E	4300750343		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E	4300750344		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E	4300750345		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E	4300750346		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E	4300731430	17225	Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E	4300731475	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E	4300750120	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E	4300750121	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E	4300750122	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E	4300750149	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E	4300750150	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E	4300750192	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E	4300750193	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E	4300750194	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E	4300750196	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E	4300750197	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E	4300750198	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E	4300750199	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E	4300750200	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E	4300750201	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E	4300750203	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E	4300750204	14794	Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	GW	P	

STONE CABIN UNIT 1	13	120S	140E	4300716542	12052	Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046	Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794	Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E	4300730049	2455	Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E	4300730521	14387	State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E	4300730761	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E	4300730762	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E	4300730763	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E	4300730764	2470	Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E	4300730775	13158	State	GW	P	
PETERS POINT U FED 4-31D-12-17	36	120S	160E	4300730810	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E	4300730812	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353	Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E	4300730859	14692	Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E	4300730866	14386	State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E	4300730965	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E	4300730982	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E	4300731004	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E	4300731005	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897	Federal	GW	P	
PETERS POINT U FED 12-31D-12-17	36	120S	160E	4300731009	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E	4300731010	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E	4300731011	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E	4300731024	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E	4300731049	14692	Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E	4300731056	15909	State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E	4300731158	14692	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E	4300731174	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E	4300731175	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794	Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E	4300731261	16103	Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E	4300731271	2470	Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E	4300731272	2470	Federal	GW	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E	4300731275	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E	4300731277	2470	Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E	4300731279	2470	Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E	4300731280	16069	State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E	4300731281	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E	4300731293	14692	Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	GW	P	PRICKLY PEAR

PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E	4300731318	2470	Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E	4300731319	2470	Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E	4300731320	2470	Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794	State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794	State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794	State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E	4300731326	14692	Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470	Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470	Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470	Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470	Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E	4300731349	2470	Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E	4300731351	2470	Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E	4300731352	2470	Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E	4300731353	2470	Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E	4300731365	2470	Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E	4300731403	2470	Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E	4300731404	2470	Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E	4300731405	2470	Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E	4300731406	2470	Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E	4300731407	2470	Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E	4300731408	2470	Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E	4300731409	2470	Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E	4300731410	2470	Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E	4300731411	2470	Federal	GW	P	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794	Federal	GW	P	PRICKLY PEAR

PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794	State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794	State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794	State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794	State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E	4300731427	2470	Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E	4300731428	2470	Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E	4300731429	2470	Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794	State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794	State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794	State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794	State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794	State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794	State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794	State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E	4300731466	2470	Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E	4300731467	2470	Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E	4300731468	2470	Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E	4300731470	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E	4300731471	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E	4300731472	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E	4300731473	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E	4300731474	2470	Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E	4300731476	2470	Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794	State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794	State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794	State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794	State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794	State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794	State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794	State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794	State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794	State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E	4300750021	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E	4300750022	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E	4300750023	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E	4300750024	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E	4300750025	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E	4300750026	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E	4300750027	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E	4300750028	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E	4300750029	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E	4300750033	2470	Federal	GW	P	PETERS POINT

PETERS POINT U FED 10-25D-12-16	25	120S	160E	4300750035	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E	4300750037	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E	4300750038	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E	4300750039	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E	4300750040	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E	4300750059	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E	4300750060	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E	4300750061	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E	4300750062	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E	4300750063	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E	4300750064	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E	4300750065	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E	4300750066	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E	4300750067	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204	Federal	GW	P	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E	4300750069	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794	Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E	4300750109	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E	4300750116	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E	4300750117	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E	4300750118	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E	4300750119	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E	4300750123	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E	4300750140	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E	4300750141	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E	4300750142	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E	4300750143	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-9D-12-15	08	120S	150E	4300750144	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E	4300750145	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E	4300750146	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E	4300750147	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 12-5D-13-17	06	130S	170E	4300750151	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	170E	4300750152	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E	4300750153	18347	Federal	GW	P	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	120S	170E	4300750154	18350	Federal	GW	P	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	120S	170E	4300750155	18346	Federal	GW	P	PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E	4300750156	18348	Federal	GW	P	PETERS POINT
PETERS POINT UF 3-31D-12-17	30	120S	170E	4300750157	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E	4300750158	18349	Federal	GW	P	PETERS POINT
PETERS POINT UF 16-25D-12-16	30	120S	170E	4300750159	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 9-25D-12-16	30	120S	170E	4300750160	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E	4300750195	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15	09	120S	150E	4300750202	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290	Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 7X-36D-12-16	36	120S	160E	4300750231	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E	4300750232	2470	Federal	GW	P	PETERS POINT
PETERS POINT ST 6-2D-13-16	02	130S	160E	4300731017	14472	State	D	PA	

PTS 33-36 STATE	36	110S	140E	4301330486	6190 State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462 Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853 Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794 State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771 Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E	4300731016	14471 State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223 Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E	4300731350	2470 Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794 Federal	GW	S	PRICKLY PEAR